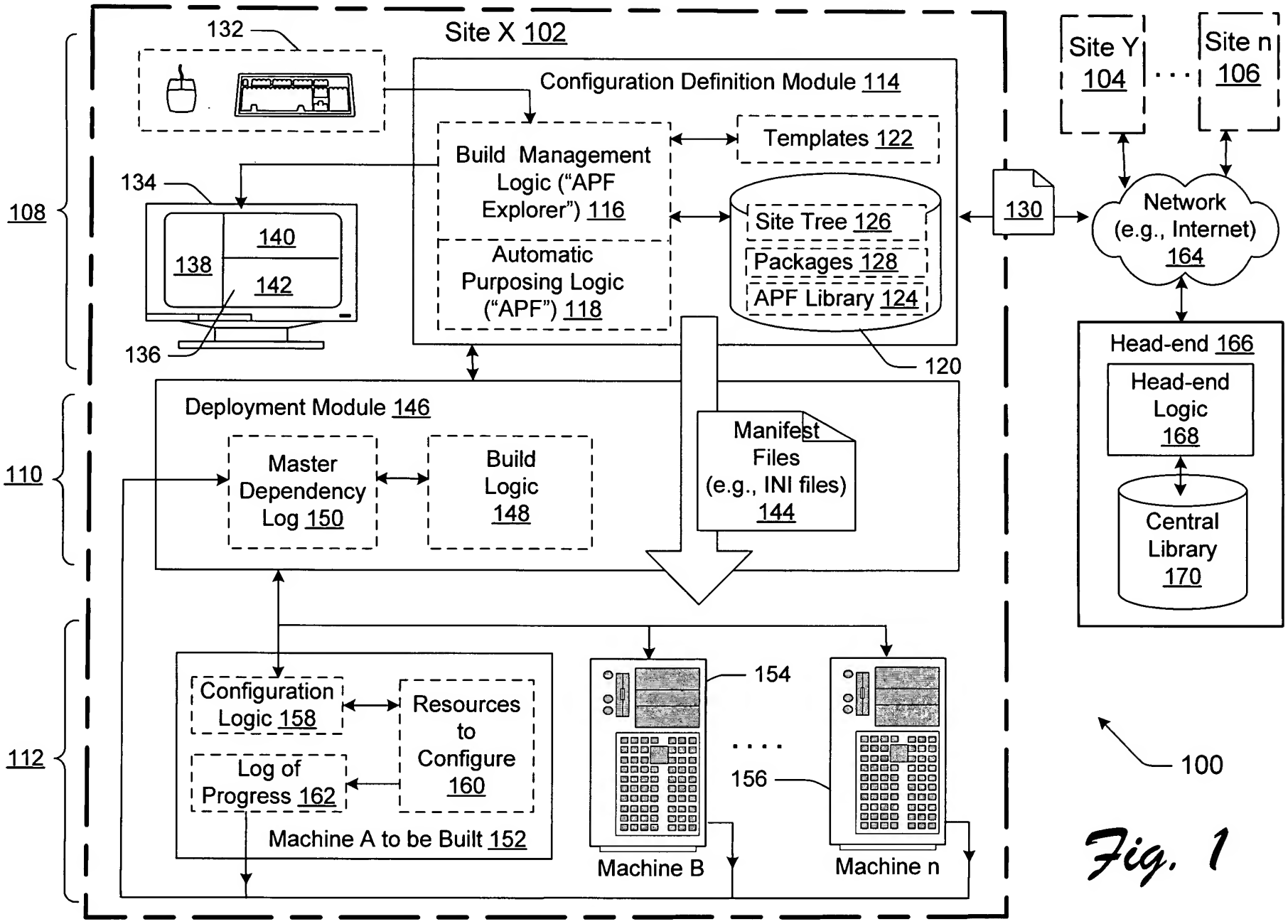

Site X 102
132
Configuration Definition Module 114
Build Management Logic ("APF Explorer") 116
Templates 122
Automatic Purposing Logic ("APF") 118
Site Tree 126
Packages 128
APF Library 124
120
134
140
138
142
136
108
130
Site Y 104
Site n 106
Network (e.g., Internet) 164
Head-end 166
Head-end Logic 168
Central Library 170
Deployment Module 146
Master Dependency Log 150
Build Logic 148
Manifest Files (e.g., INI files) 144
110
Configuration Logic 158
Resources to Configure 160
Log of Progress 162
Machine A to be Built 152
112
154
156
Machine B
Machine n
100

Fig. 1

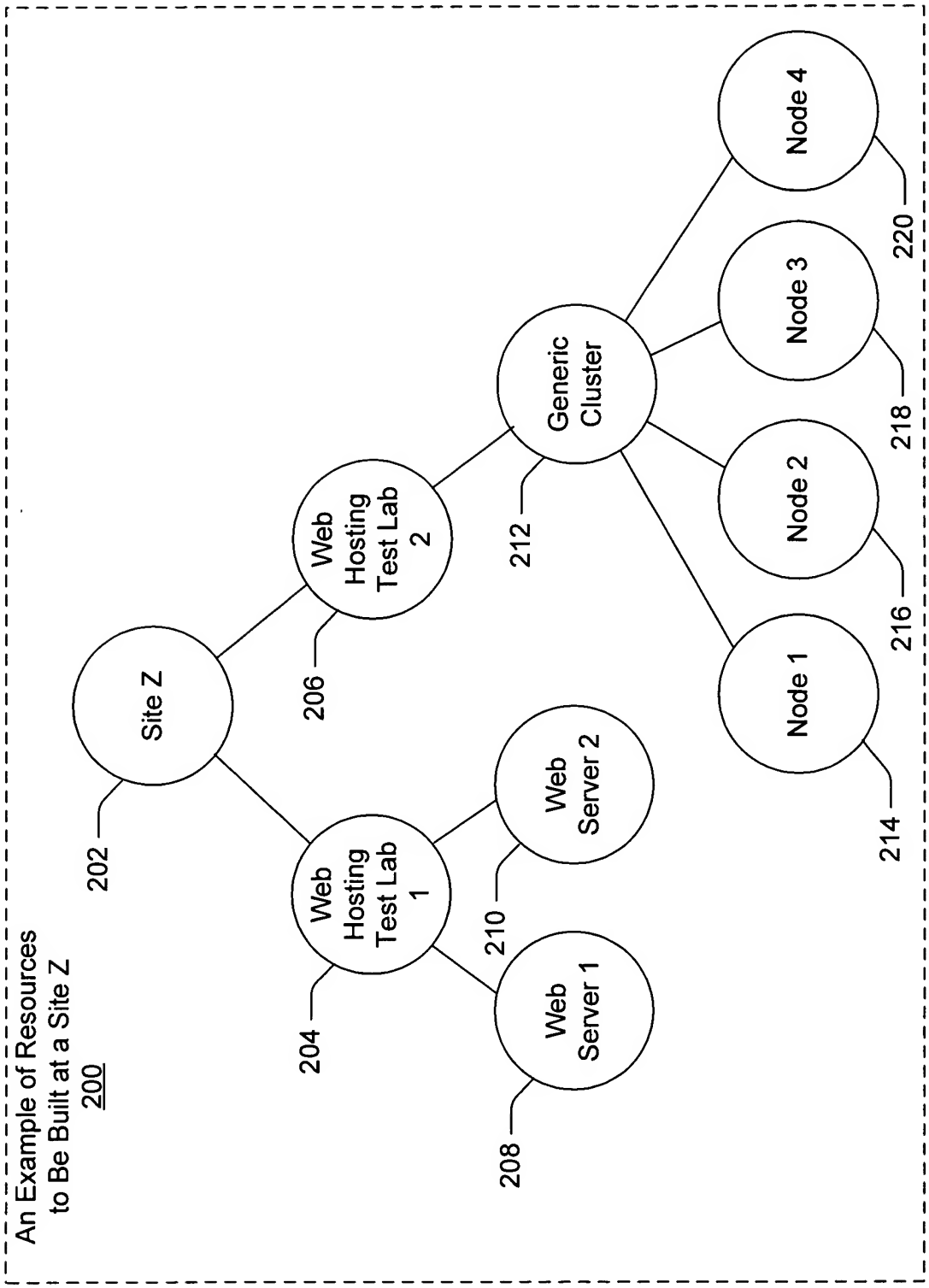

An Example of Resources
to Be Built at a Site Z
200
Site Z
202
Web
Hosting
Test Lab
1
204
Web
Hosting
Test Lab
2
206
Web
Server 1
208
Web
Server 2
210
Generic
Cluster
212
Node 1
214
Node 2
216
Node 3
218
Node 4
220

Fig. 2

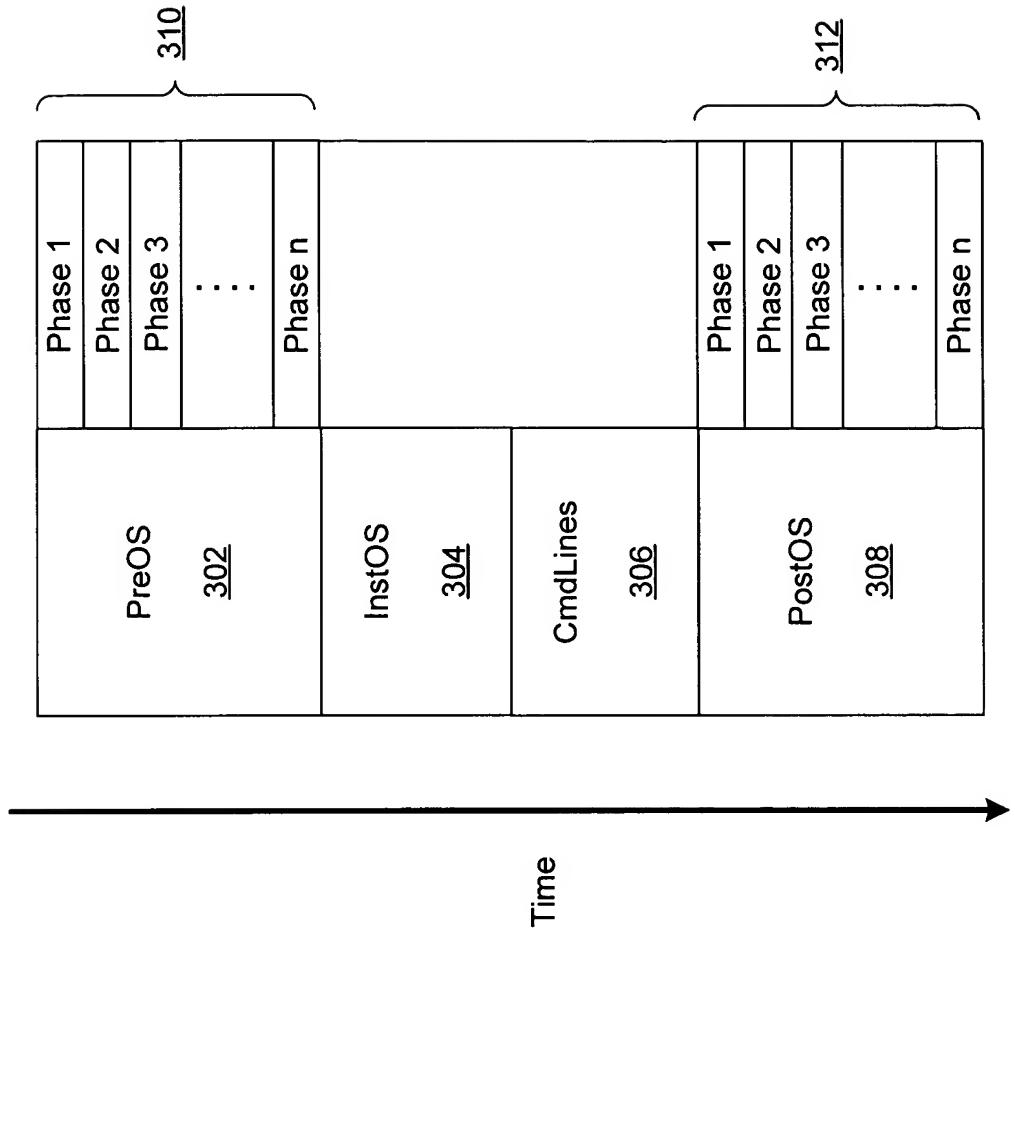

310
312
Phase 1
Phase 2
Phase 3
. . .
Phase n
Phase 1
Phase 2
Phase 3
. . .
Phase n
PreOS
302
InstOS
304
CmdLines
306
PostOS
308
Time
300

Fig. 3

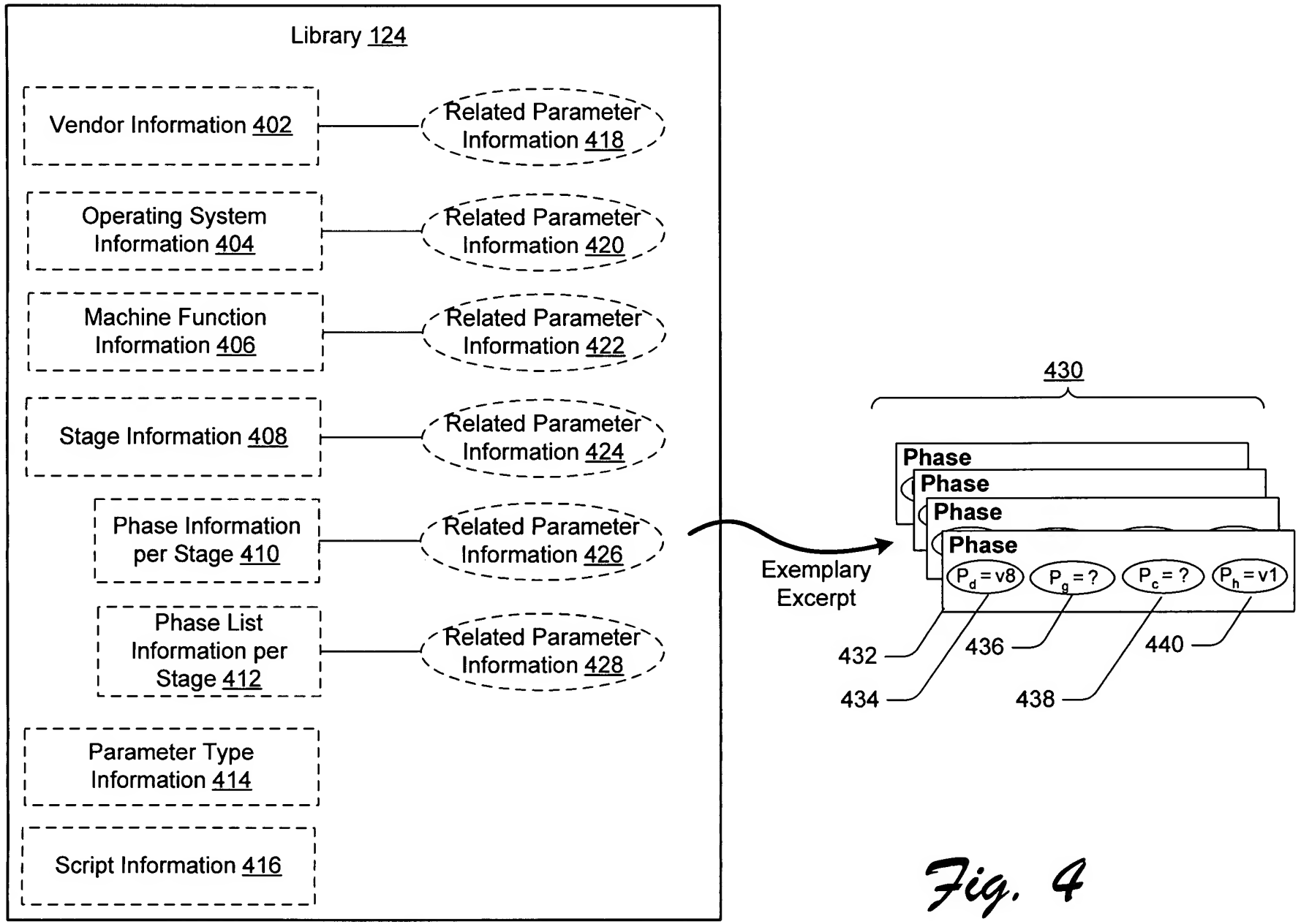

Library 124
Vendor Information 402
Related Parameter Information 418
Operating System Information 404
Related Parameter Information 420
Machine Function Information 406
Related Parameter Information 422
Stage Information 408
Related Parameter Information 424
Phase Information per Stage 410
Related Parameter Information 426
Phase List Information per Stage 412
Related Parameter Information 428
Parameter Type Information 414
Script Information 416
Exemplary Excerpt
430
Phase
Phase
Phase
Phase
P_d = v8
P_g = ?
P_c = ?
P_h = v1
432
434
436
438
440

Fig. 4

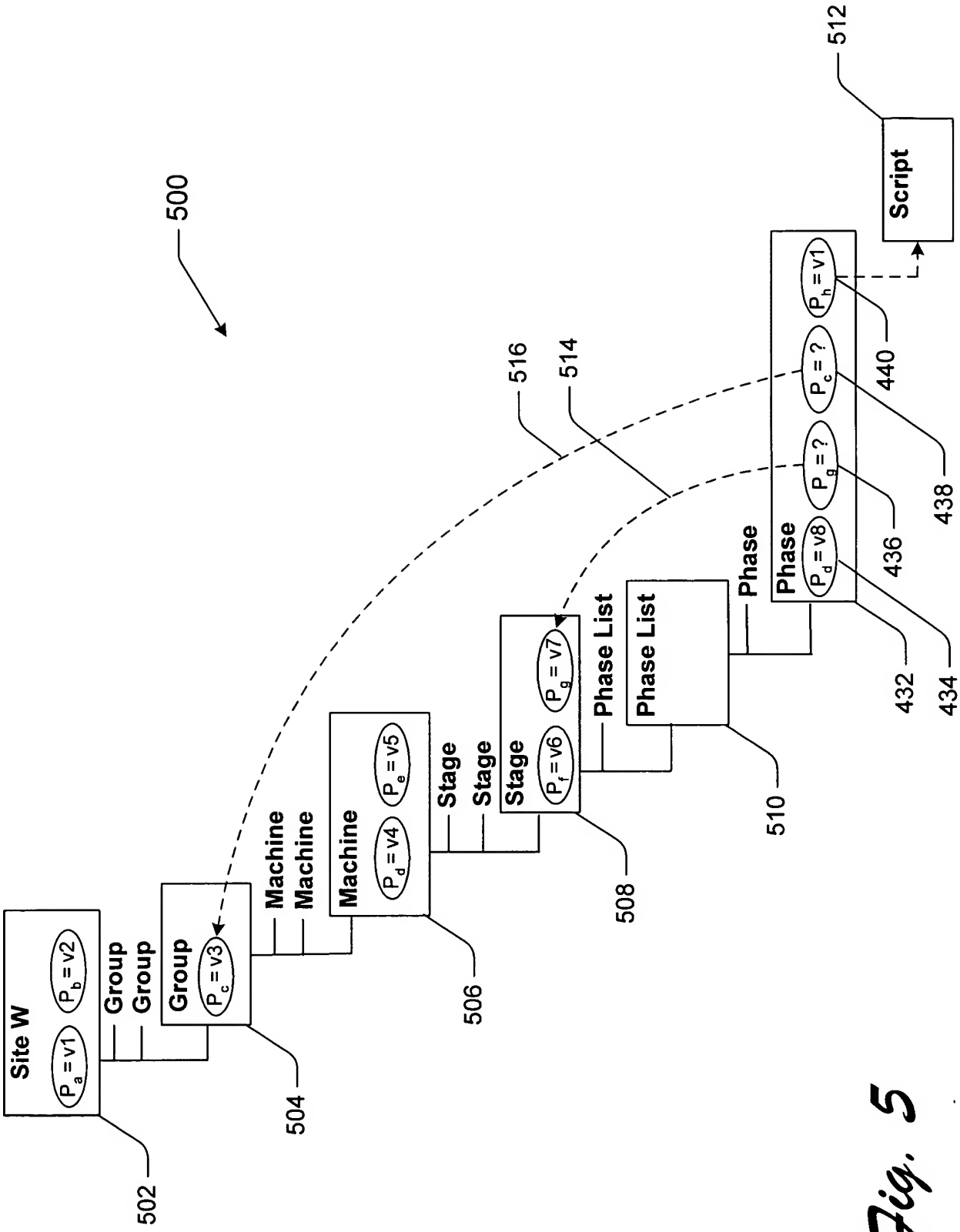

500
Site W
P_a = v1
P_b = v2
Group
Group
Group
P_c = v3
Machine
Machine
Machine
P_d = v4
P_e = v5
Stage
Stage
Stage
P_f = v6
P_g = v7
Phase List
Phase List
Phase
Phase
P_d = v8
P_g = ?
P_c = ?
P_h = v1
Script
502
504
506
508
510
512
514
516
432
434
436
438
440

Fig. 5

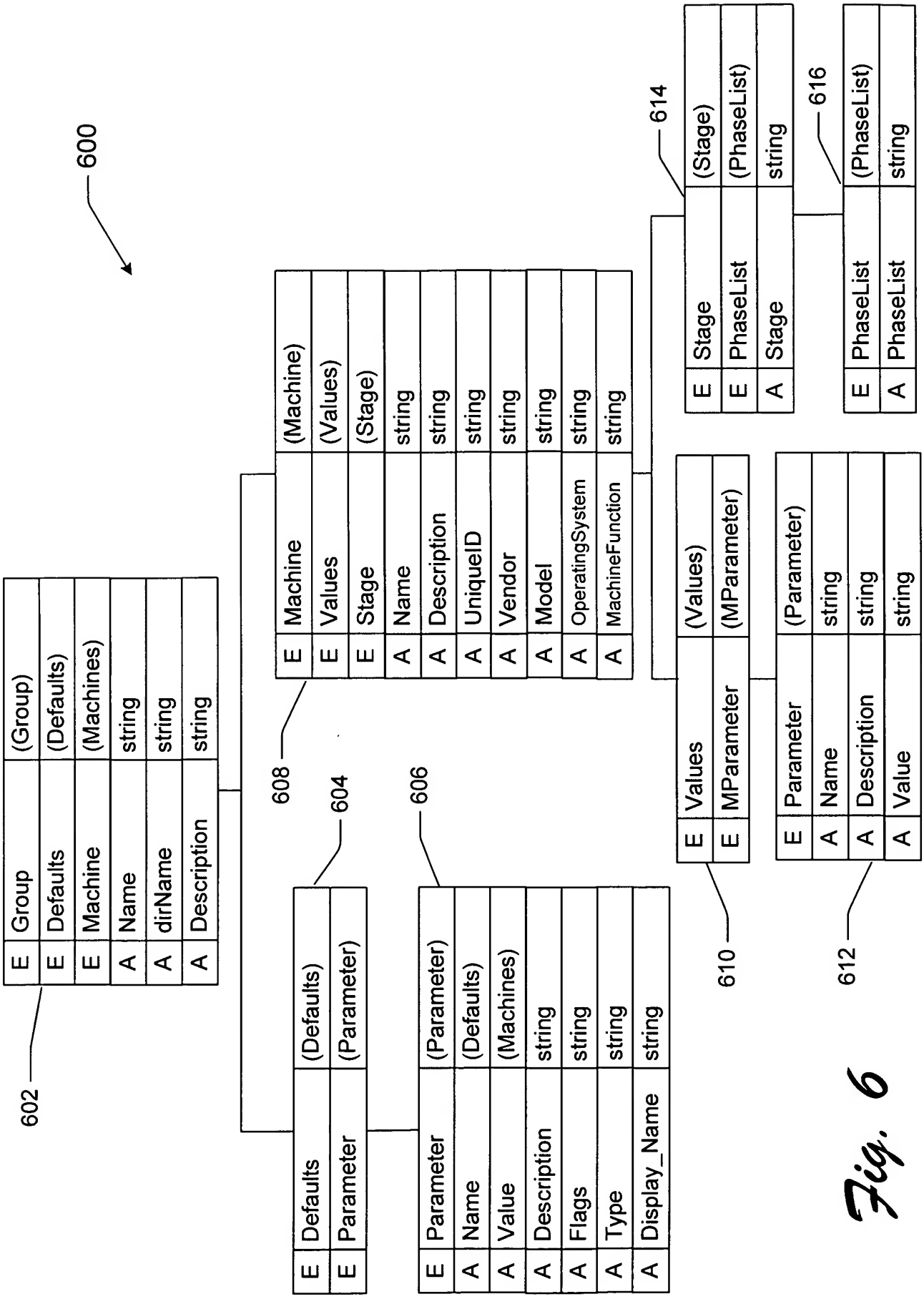

600
602
E Group (Group)
E Defaults (Defaults)
E Machine (Machines)
A Name string
A dirName string
A Description string
604
E Defaults (Defaults)
E Parameter (Parameter)
606
E Parameter (Parameter)
A Name (Defaults)
A Value (Machines)
A Description string
A Flags string
A Type string
A Display_Name string
608
E Machine (Machine)
E Values (Values)
E Stage (Stage)
A Name string
A Description string
A UniqueID string
A Vendor string
A Model string
A OperatingSystem string
A MachineFunction string
610
E Values (Values)
E MParameter (MParameter)
612
E Parameter (Parameter)
A Name string
A Description string
A Value string
614
E Stage (Stage)
E PhaseList (PhaseList)
A Stage string
616
E PhaseList (PhaseList)
A PhaseList string

Fig. 6

```
- <Machine Name="MRADIUS" Description="Lab2 Rack31 DL380 - :3"
UniqueID="D144JZG1L122" BaseFileName="MRADIUS" Vendor="HP Compaq" Model="HP
Compaq.ProLiant.DL380.DL380Array" OperatingSystem="Windows 2000.Server SP3
Integrated" MachineFunction="Windows 2000 Server.Base Server">
     - <Values>
          <Parameter Name="Boot.CPQVFloppyImage" Value="=Default.CPQVFloppyImage" />
          <Parameter Name="Common.Sync" Value="=Default.DomainComplete" />
     </Values>
     - <Stage Stage="PreOSStage">
          <PhaseList PhaseList="ProLiant_Standard" />
     </Stage>
     - <Stage Stage="PostOSStage">
          <PhaseList PhaseList="W2K with supoorting tools no domain" />
     </Stage>
</Machine>
```

A Sample of an XML Template for a Machine

700

Fig. 7

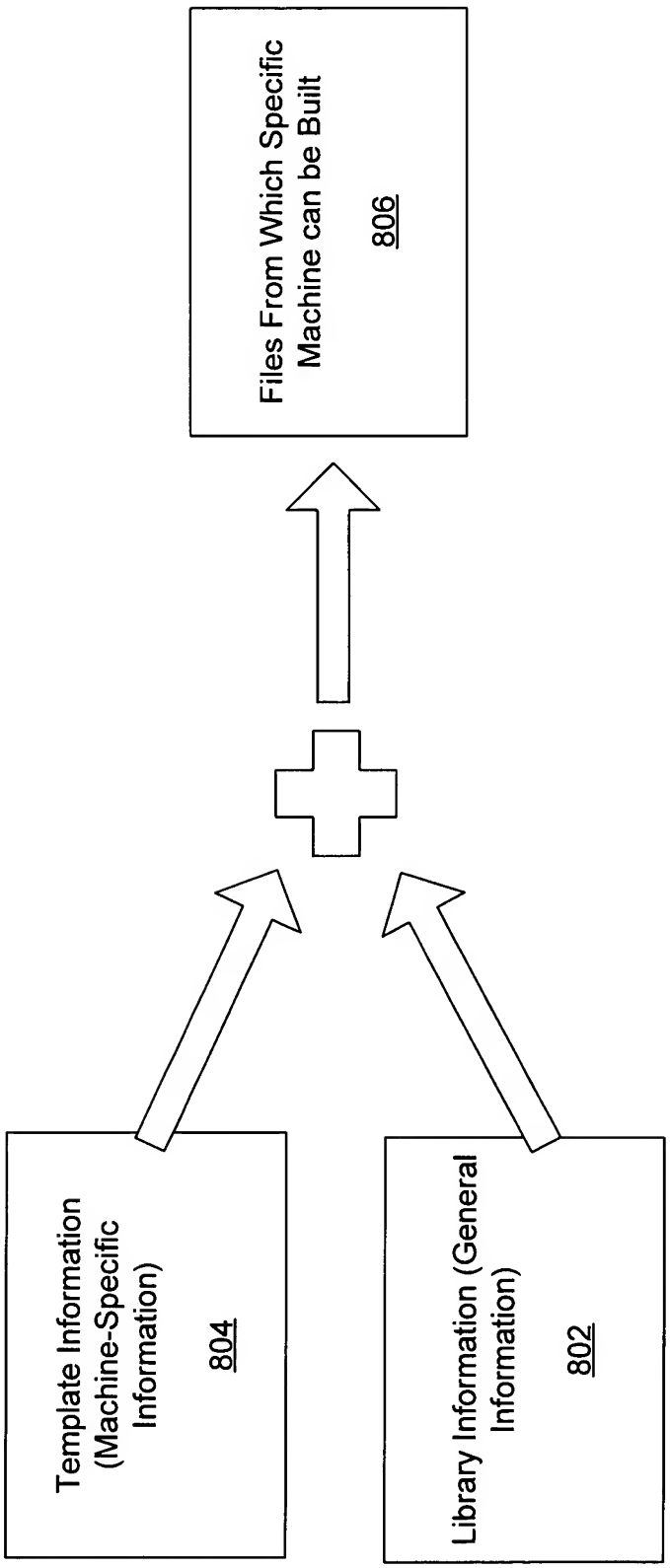

Files From Which Specific Machine can be Built
806
Template Information (Machine-Specific Information)
804
Library Information (General Information)
802
800

Fig. 8

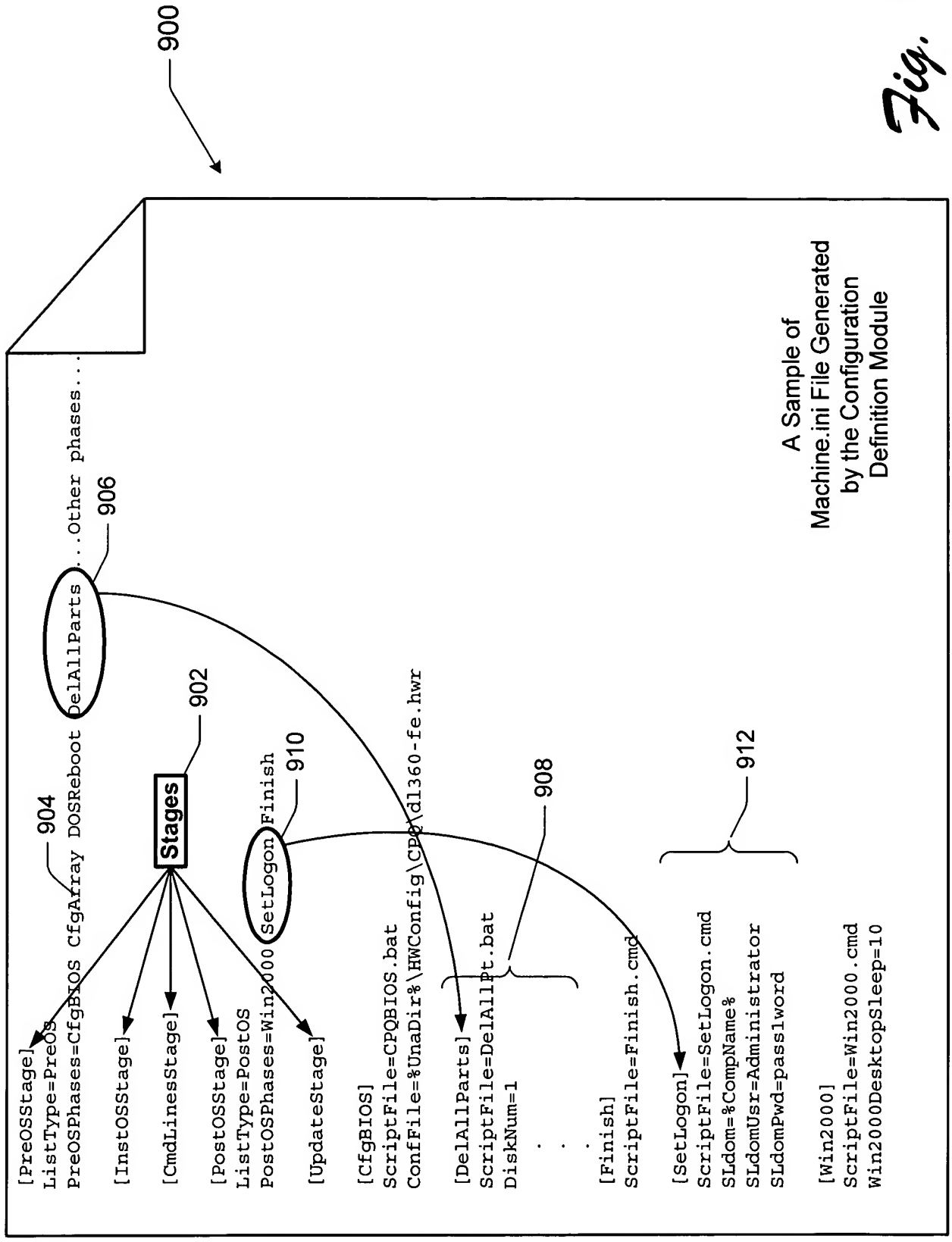

900
[PreOSStage]
ListType=PreOS
PreOSPhases=CfgBIOS CfgArray DOSReboot DelAllParts ...Other phases...
904
906
[InstOSStage]
[CmdLinesStage]
[PostOSStage]
ListType=PostOS
PostOSPhases=Win2000 SetLogon Finish
910
902
Stages
[UpdateStage]
[CfgBIOS]
ScriptFile=CPQBIOS.bat
ConfFile=%UnaDir%\HWConfig\CPQ\dl360-fe.hwr
[DelAllParts]
ScriptFile=DelAllPt.bat
DiskNum=1
908
[Finish]
ScriptFile=Finish.cmd
[SetLogon]
ScriptFile=SetLogon.cmd
SLdom=%CompName%
SLdomUsr=Administrator
SLdomPwd=passlword
912
[Win2000]
ScriptFile=Win2000.cmd
Win2000DesktopSleep=10
A Sample of
Machine.ini File Generated
by the Configuration
Definition Module

Fig. 9

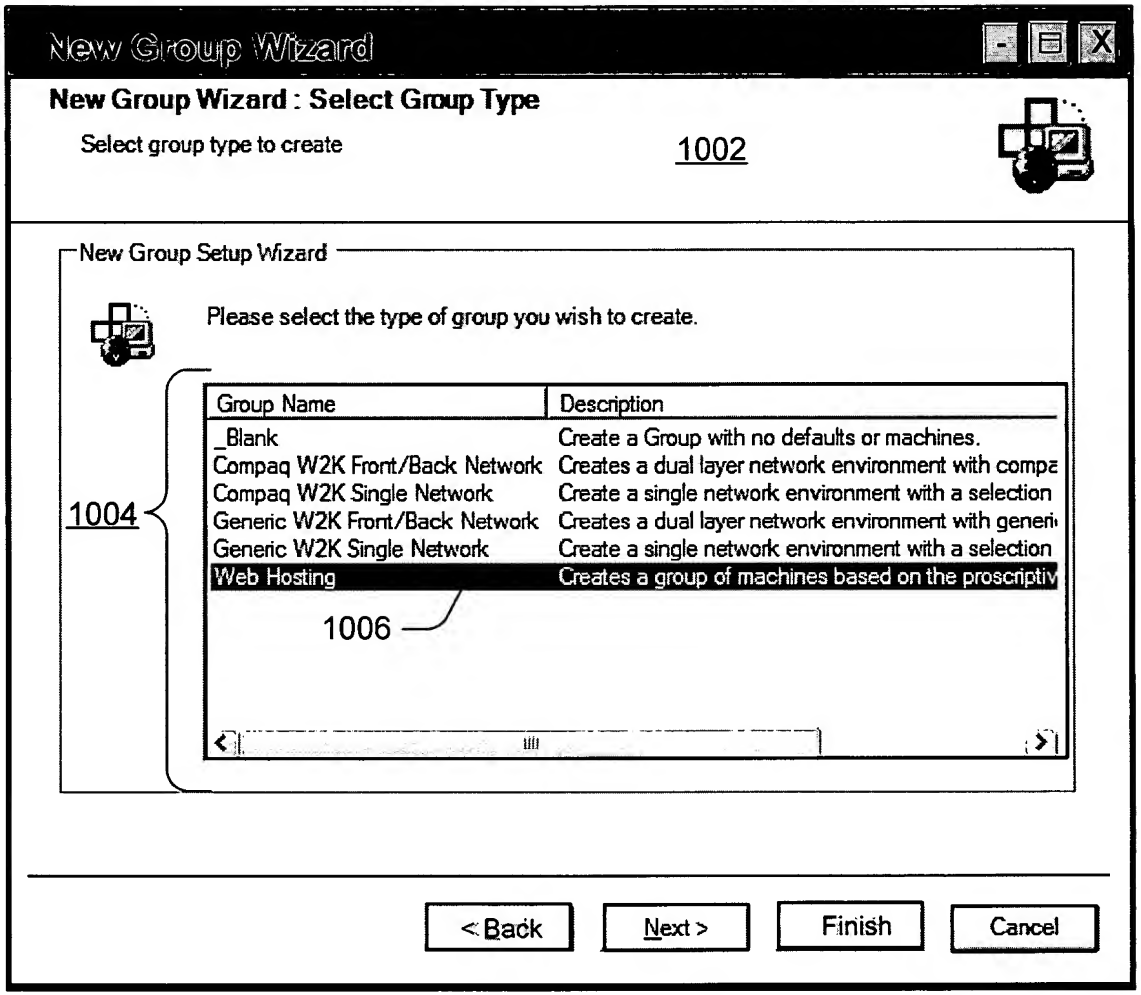

New Group Wizard
New Group Wizard : Select Group Type
Select group type to create
1002
New Group Setup Wizard
Please select the type of group you wish to create.
1004
Group Name
Description
_Blank
Create a Group with no defaults or machines.
Compaq W2K Front/Back Network
Creates a dual layer network environment with compa
Compaq W2K Single Network
Create a single network environment with a selection
Generic W2K Front/Back Network
Creates a dual layer network environment with generi
Generic W2K Single Network
Create a single network environment with a selection
Web Hosting
Creates a group of machines based on the proscriptiv
1006
< Back
Next >
Finish
Cancel

Fig. 10

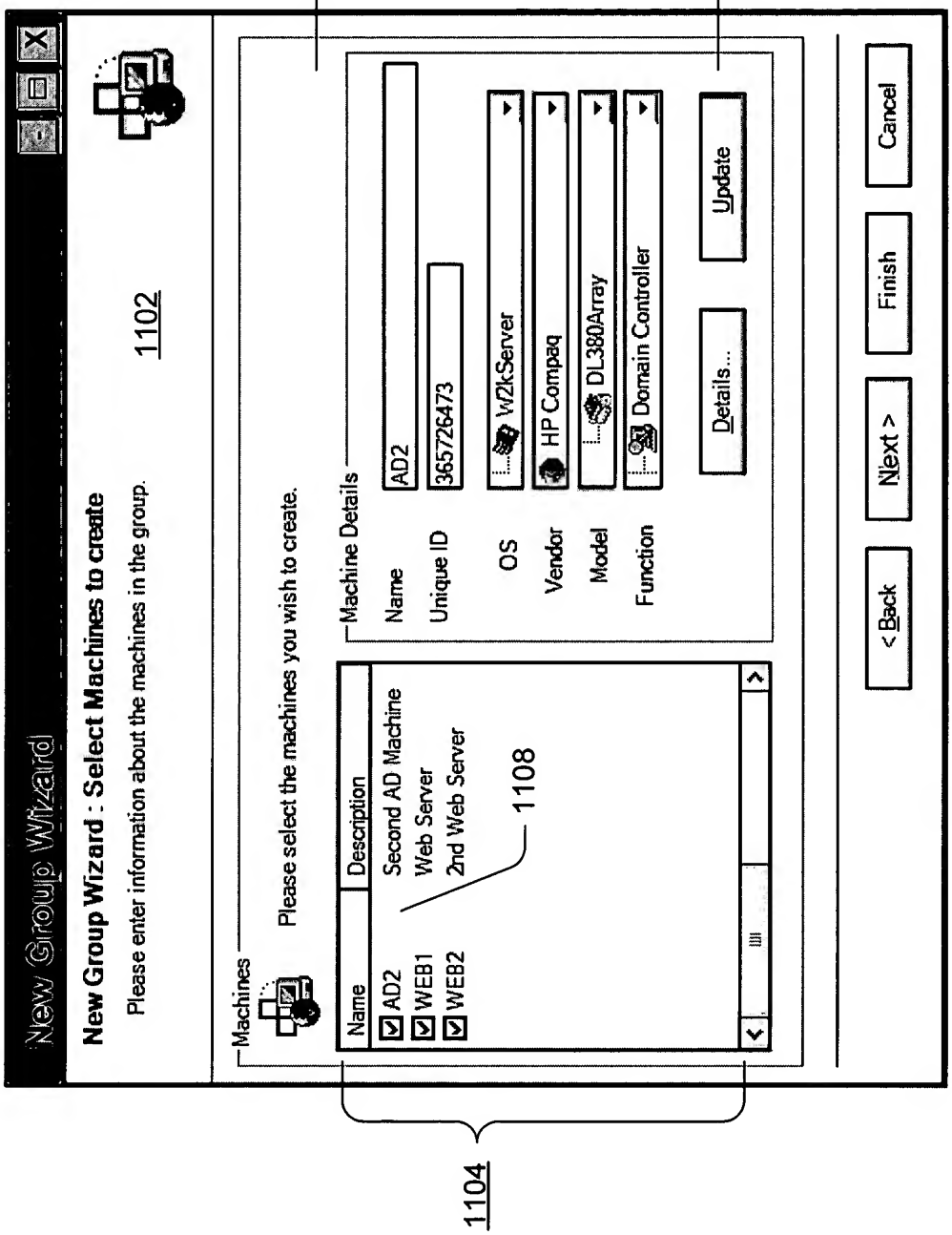

New Group Wizard
New Group Wizard : Select Machines to create
Please enter information about the machines in the group.
1102
1106
Machines
Please select the machines you wish to create.
Name
Description
AD2
WEB1
WEB2
Second AD Machine
Web Server
2nd Web Server
1108
Machine Details
Name
Unique ID
OS
Vendor
Model
Function
AD2
365726473
W2kServer
HP Compaq
DL380Array
Domain Controller
Details...
Update
< Back
Next >
Finish
Cancel
1104

Fig. 11

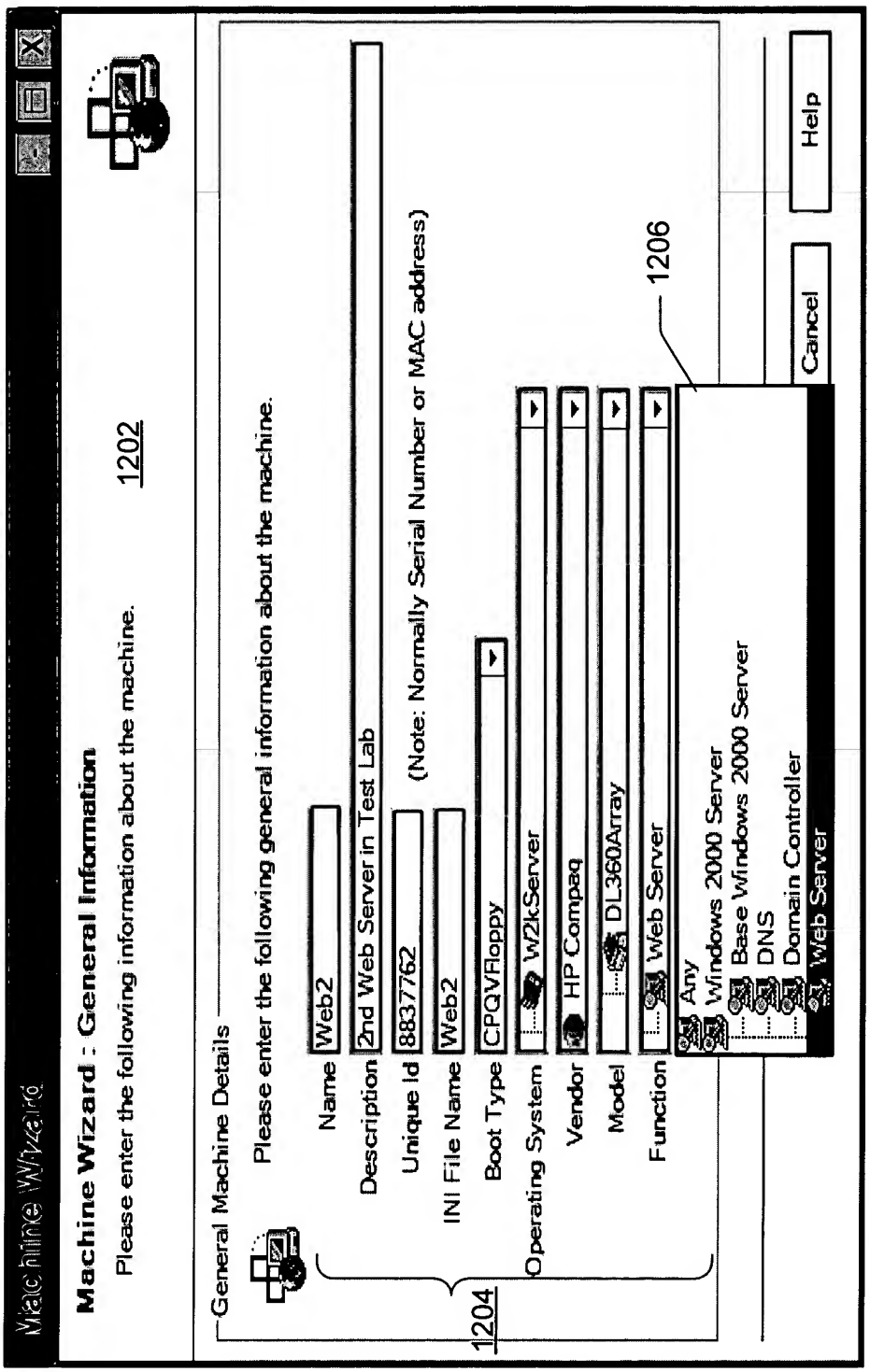

Machine Wizard
Machine Wizard : General Information
Please enter the following information about the machine.
1202
General Machine Details
Please enter the following general information about the machine.
Name
Web2
Description
2nd Web Server in Test Lab
Unique Id
8837762
(Note: Normally Serial Number or MAC address)
INI File Name
Web2
Boot Type
CPQVFloppy
Operating System
W2kServer
Vendor
HP Compaq
Model
DL360Array
Function
Web Server
1204
1206
Any
Windows 2000 Server
Base Windows 2000 Server
DNS
Domain Controller
Web Server
Cancel
Help

Fig. 12

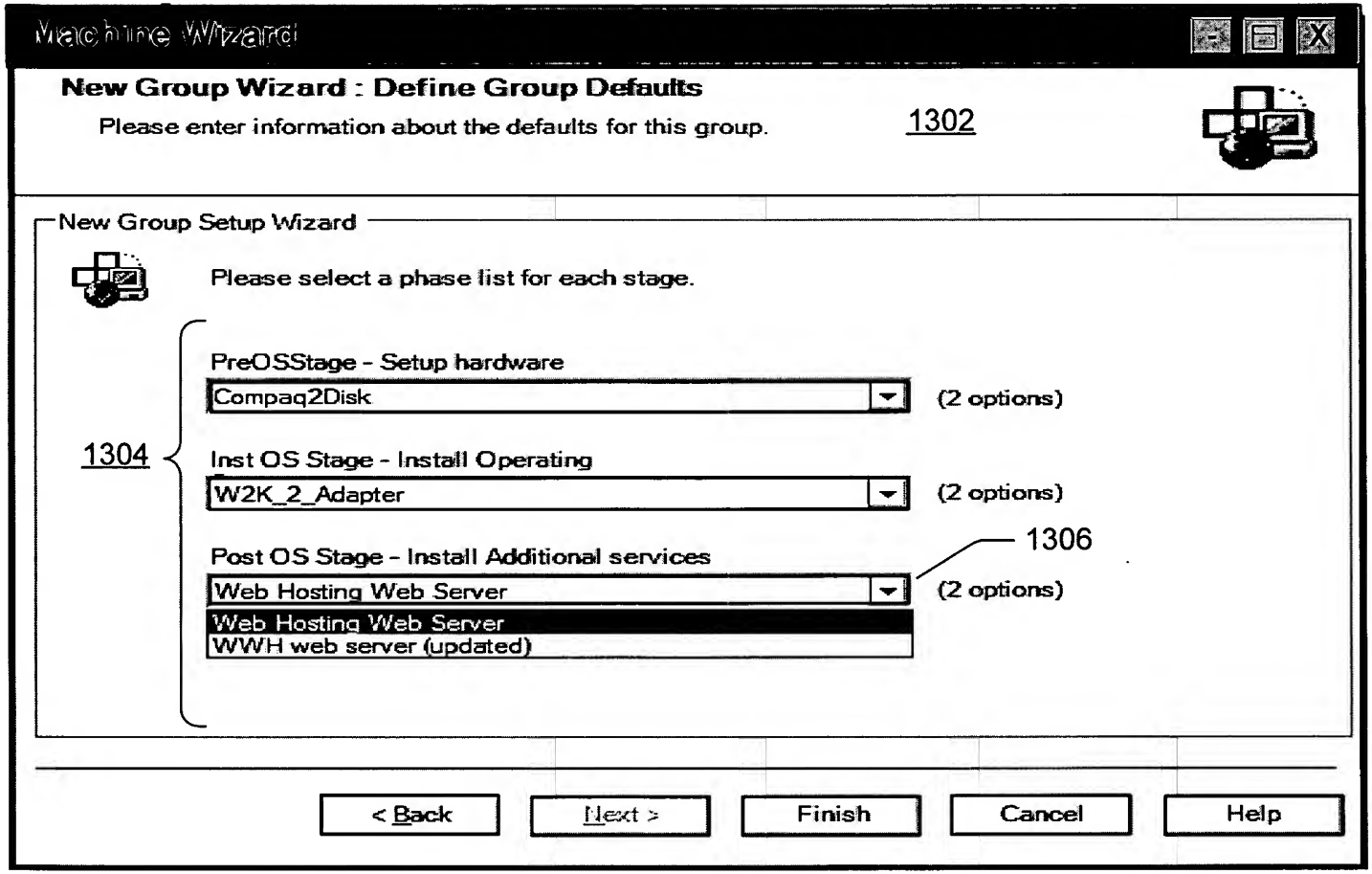

Machine Wizard
New Group Wizard : Define Group Defaults
Please enter information about the defaults for this group.
1302
New Group Setup Wizard
Please select a phase list for each stage.
1304
PreOSStage - Setup hardware
Compaq2Disk
(2 options)
Inst OS Stage - Install Operating
W2K_2_Adapter
(2 options)
Post OS Stage - Install Additional services
1306
Web Hosting Web Server
(2 options)
Web Hosting Web Server
WWH web server (updated)
< Back
Next >
Finish
Cancel
Help

Fig. 13

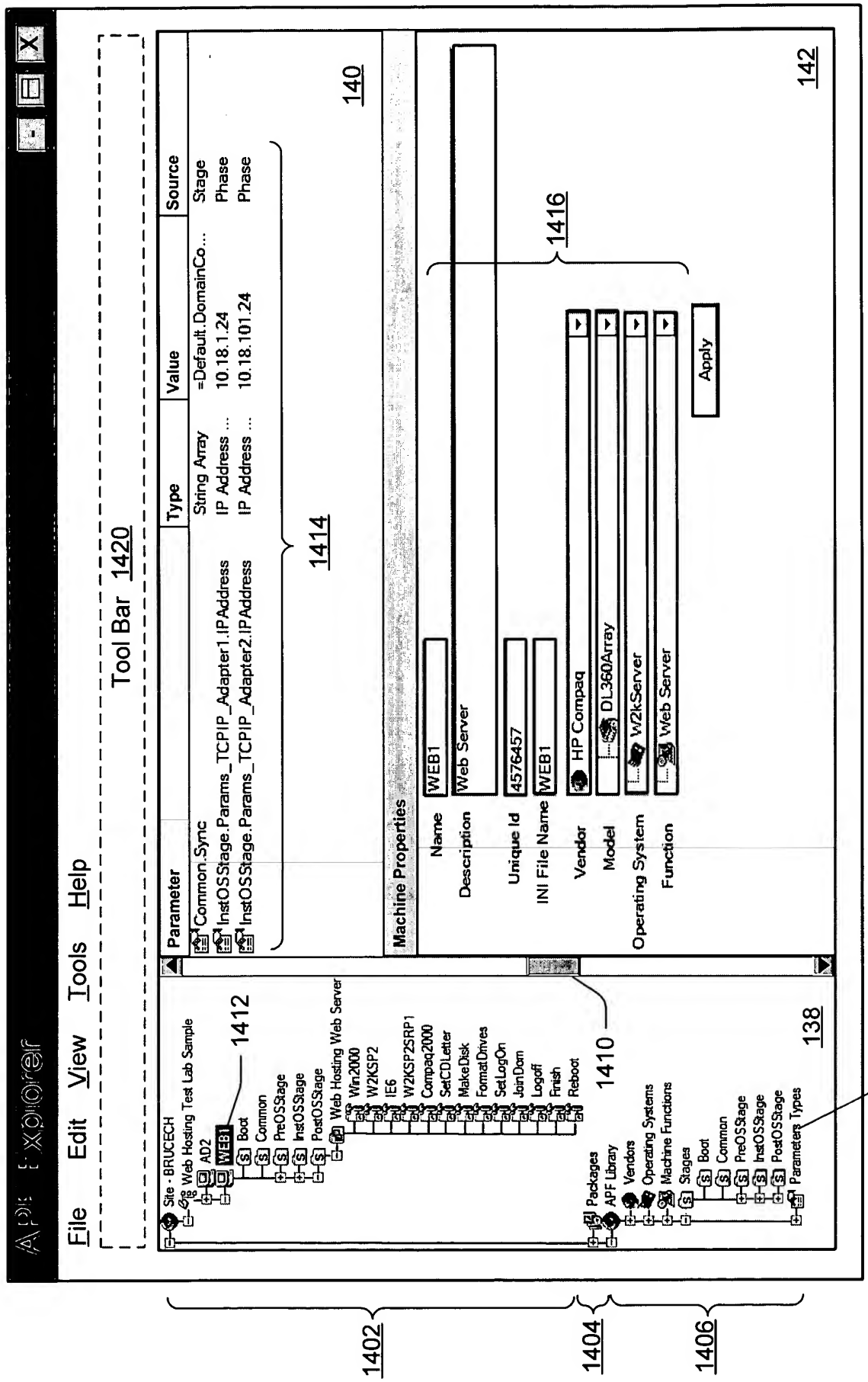

File Edit View Tools Help
Tool Bar 1420
Parameter
Type
Value
Source
Common.Sync
String Array
=Default.DomainCo...
Stage
InstOSStage.Params_TCPIP_Adapter1.IPAddress
IP Address ...
10.18.1.24
Phase
InstOSStage.Params_TCPIP_Adapter2.IPAddress
IP Address ...
10.18.101.24
Phase
1414
140
Machine Properties
Name
WEB1
Description
Web Server
Unique Id
4576457
INI File Name
WEB1
Vendor
HP Compaq
Model
DL360Array
Operating System
W2kServer
Function
Web Server
1416
Apply
142
Site - BRUCECH
Web Hosting Test Lab Sample
AD2
WEB1
Boot
Common
PreOSStage
InstOSStage
PostOSStage
Web Hosting Web Server
Win2000
W2KSP2
IE6
W2KSP2SRP1
Compaq2000
SetCDLetter
MakeDisk
FormatDrives
SetLogOn
JoinDom
Logoff
Finish
Reboot
1412
Packages
APF Library
Vendors
Operating Systems
Machine Functions
Stages
Boot
Common
PreOSStage
InstOSStage
PostOSStage
Parameters Types
138
1410
1408
1402
1404
1406

Fig. 14

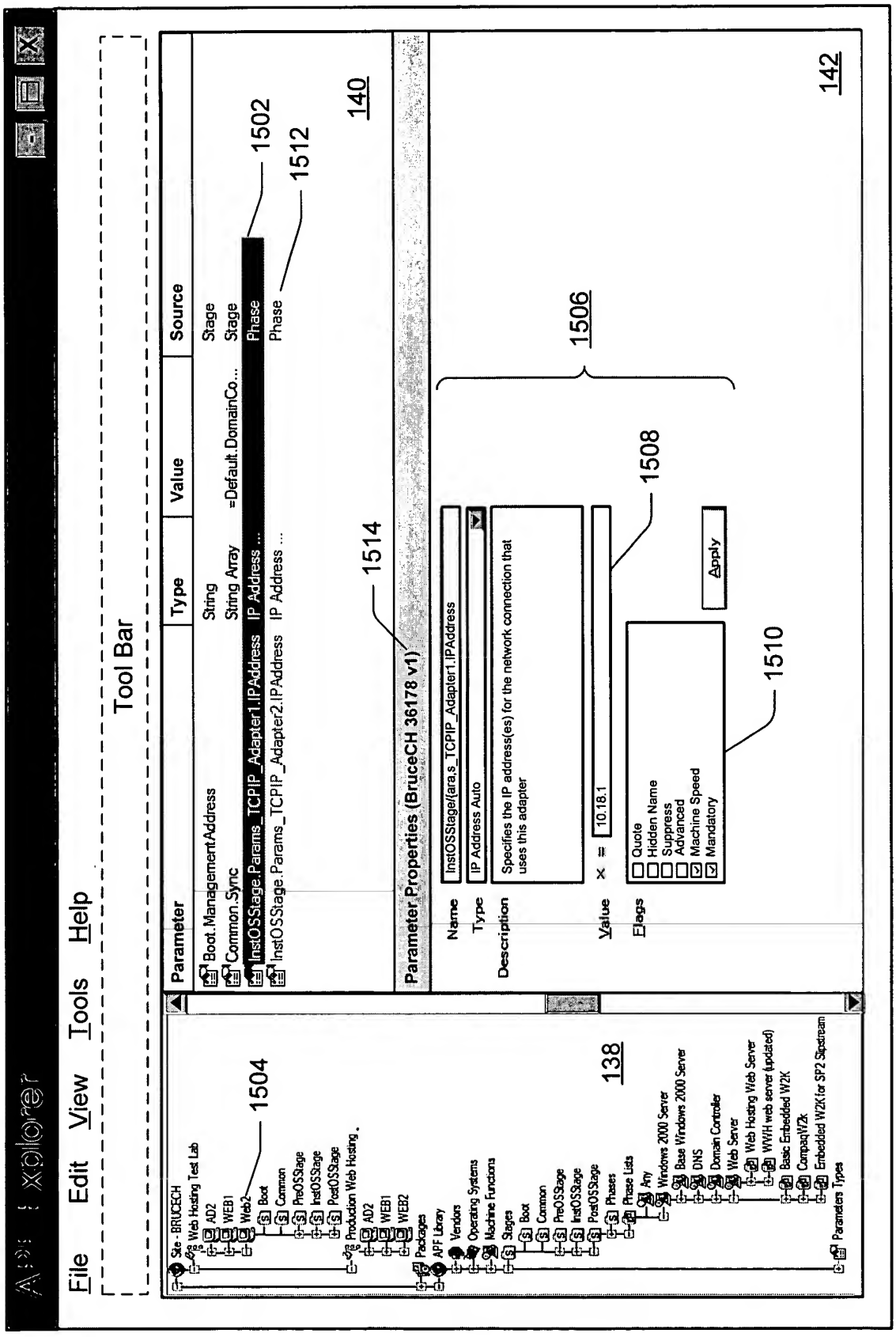

File Edit View Tools Help
Tool Bar
Parameter
Type
Value
Source
Boot.ManagementAddress
String
Stage
Common.Sync
String Array
=Default.DomainCo...
Stage
InstOSStage.Params_TCPIP_Adapter1.IPAddress
IP Address ...
Phase
InstOSStage.Params_TCPIP_Adapter2.IPAddress
IP Address ...
Phase
Parameter Properties (BruceCH 36178 v1)
Name
InstOSStage#(ara,s_TCPIP_Adapter1.IPAddress
Type
IP Address Auto
Description
Specifies the IP address(es) for the network connection that uses this adapter
Value
10.18.1
Flags
Quote
Hidden Name
Suppress
Advanced
Machine Speed
Mandatory
Apply
Site : BRUCECH
Web Hosting Test Lab
AD2
WEB1
Web2
Boot
Common
PreOSStage
InstOSStage
PostOSStage
Production Web Hosting
AD2
WEB1
WEB2
Packages
APF Library
Vendors
Operating Systems
Machine Functions
Stages
Boot
Common
PreOSStage
InstOSStage
PostOSStage
Phases
Phase Lists
Any
Windows 2000 Server
Base Windows 2000 Server
DNS
Domain Controller
Web Server
Web Hosting Web Server
WWH web server (updated)
Basic Embedded W2K
CompaqW2k
Embedded W2K for SP2 Slipstream
Parameters Types
1502
1504
1506
1508
1510
1512
1514
138
140
142

Fig. 15

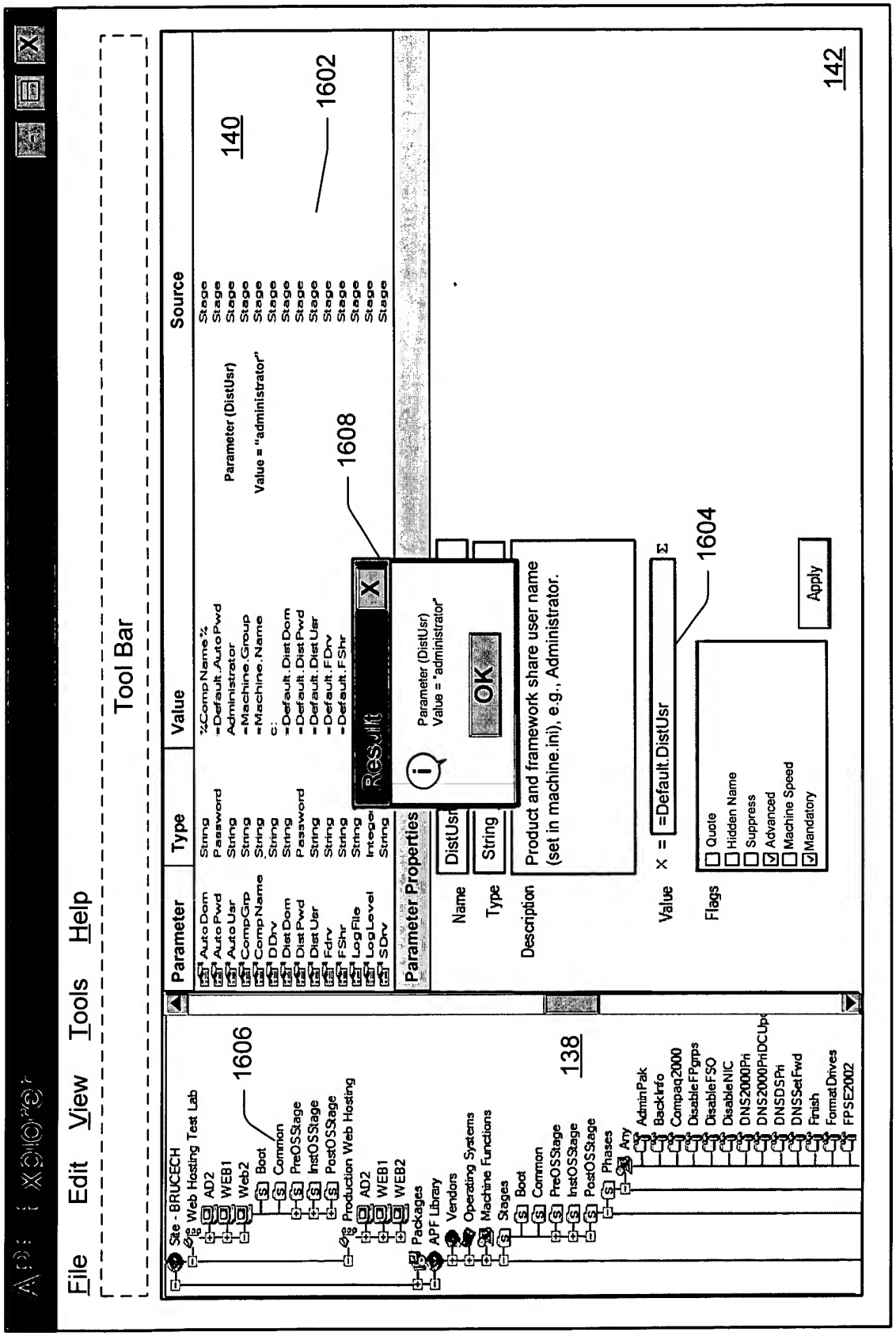

File Edit View Tools Help
Tool Bar
Parameter
Type
Value
Source
Site - BRUCECH
Web Hosting Test Lab
AD2
WEB1
Web2
Boot
Common
PreOSStage
InstOSStage
PostOSStage
Production Web Hosting
AD2
WEB1
WEB2
Packages
APF Library
Vendors
Operating Systems
Machine Functions
Stages
Boot
Common
PreOSStage
InstOSStage
PostOSStage
Phases
Any
AdminPak
BackInfo
Compaq2000
DisableFPgrps
DisableFSO
DisableNIC
DNS2000Pri
DNS2000PriDCUpd
DNSDSPri
DNSSetFwd
Finish
FormatDrives
FPSE2002
AutoDom
AutoPwd
AutoUsr
CompGrp
CompName
DDrv
DistDom
DistPwd
DistUsr
Fdrv
FShr
LogFile
LogLevel
SDrv
String
Password
Integer
%CompName%
=Default.AutoPwd
Administrator
=Machine.Group
=Machine.Name
c:
=Default.DistDom
=Default.DistPwd
=Default.DistUsr
=Default.FDrv
=Default.FShr
Stage
Parameter (DistUsr)
Value = "administrator"
1606
1602
1608
140
Result
Parameter (DistUsr)
Value = "administrator"
OK
Parameter Properties
Name
DistUsr
Type
String
Description
Product and framework share user name (set in machine.ini), e.g., Administrator.
Value
X = =Default.DistUsr
Σ
1604
Flags
Quote
Hidden Name
Suppress
Advanced
Machine Speed
Mandatory
Apply
138
142

Fig. 16

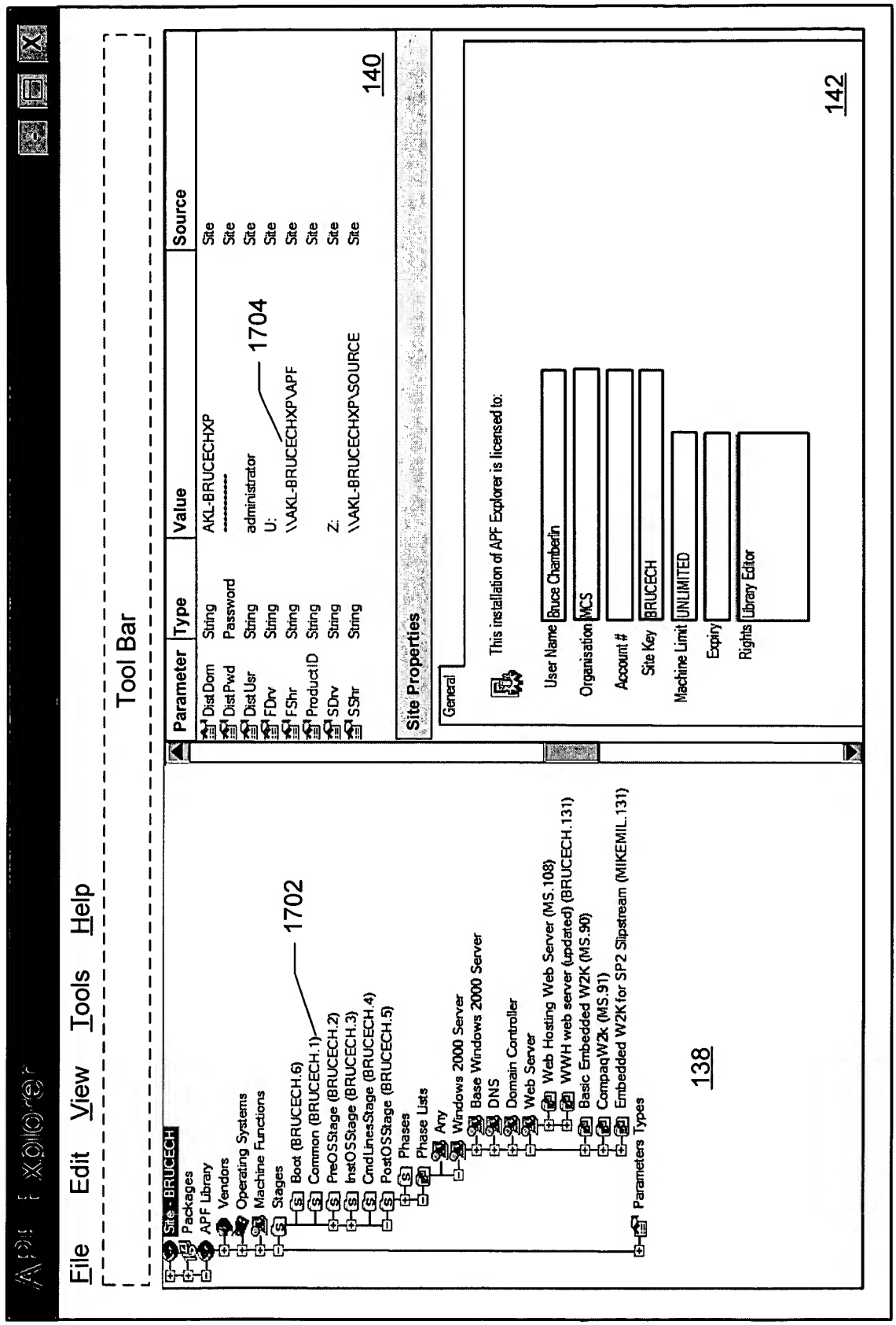

File Edit View Tools Help
Tool Bar
Site - BRUCECH
Packages
APF Library
Vendors
Operating Systems
Machine Functions
Stages
Boot (BRUCECH.6)
Common (BRUCECH.1)
PreOSStage (BRUCECH.2)
InstOSStage (BRUCECH.3)
CmdLinesStage (BRUCECH.4)
PostOSStage (BRUCECH.5)
Phases
Phase Lists
Any
Windows 2000 Server
Base Windows 2000 Server
DNS
Domain Controller
Web Server
Web Hosting Web Server (MS.108)
WWH web server (updated) (BRUCECH.131)
Basic Embedded W2K (MS.90)
CompaqW2k (MS.91)
Embedded W2K for SP2 Slipstream (MIKEMIL.131)
Parameters Types
1702
138
Parameter
Type
Value
Source
DistDom
String
AKL-BRUCECHXP
Site
DistPwd
Password
Site
DistUsr
String
administrator
Site
FDrv
String
U:
Site
FShr
String
\\AKL-BRUCECHXP\APF
Site
ProductID
String
Site
SDrv
String
Z:
Site
SShr
String
\\AKL-BRUCECHXP\SOURCE
Site
1704
140
Site Properties
General
This installation of APF Explorer is licensed to:
User Name
Bruce Chamberlin
Organisation
MCS
Account #
Site Key
BRUCECH
Machine Limit
UNLIMITED
Expiry
Rights
Library Editor
142

Fig. 17

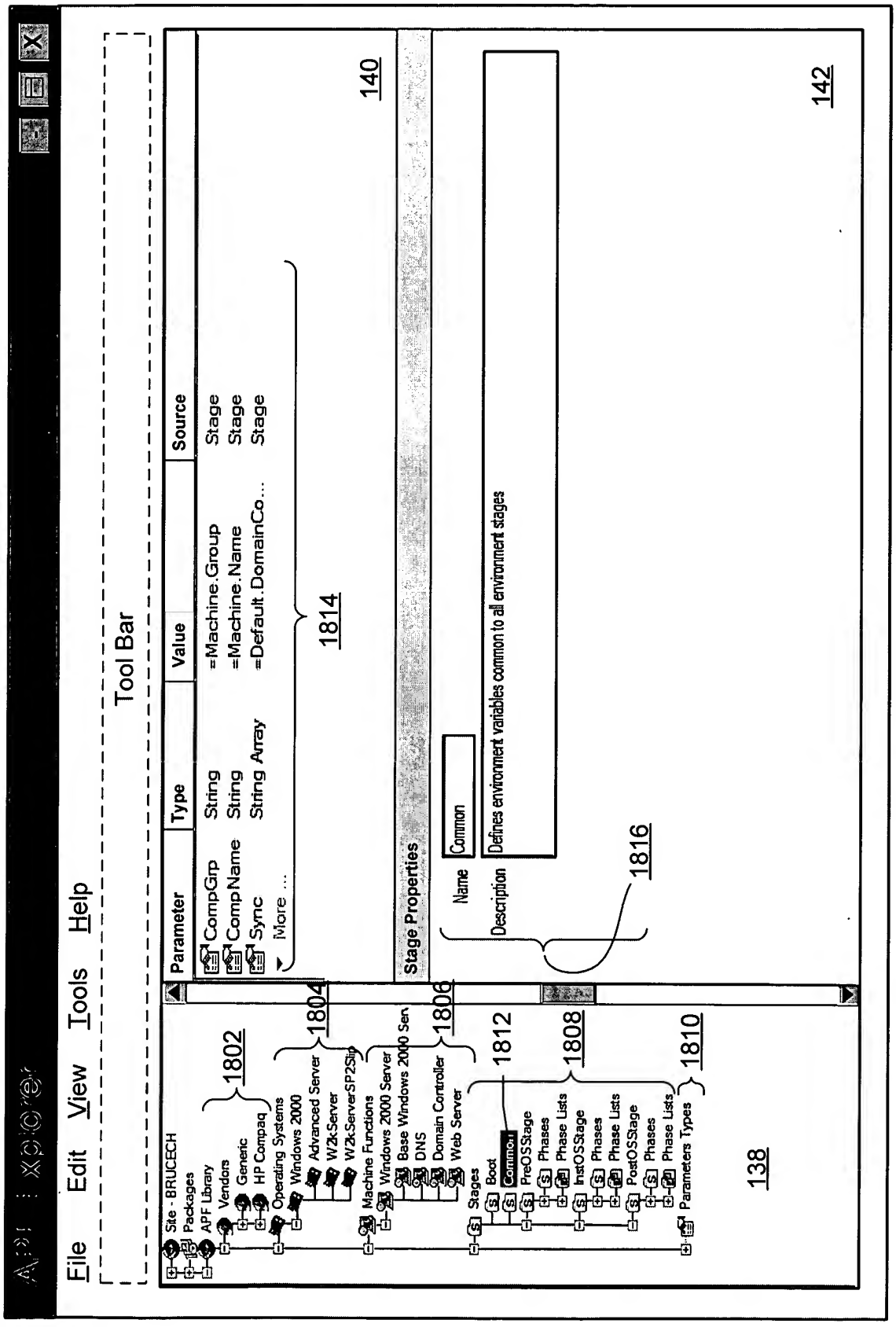

File Edit View Tools Help
Tool Bar
Site - BRUCECH
Packages
APF Library
Vendors
Generic
HP Compaq
Operating Systems
Windows 2000
Advanced Server
W2kServer
W2kServerSP2Slip
Machine Functions
Windows 2000 Server
Base Windows 2000 Ser
DNS
Domain Controller
Web Server
Stages
Boot
Common
PreOSStage
Phases
Phase Lists
InstOSStage
Phases
Phase Lists
PostOSStage
Phases
Phase Lists
Parameters Types
1802
1804
1806
1808
1810
1812
138
Parameter
Type
Value
Source
CompGrp
String
=Machine.Group
Stage
CompName
String
=Machine.Name
Stage
Sync
String Array
=Default.DomainCo...
Stage
More ...
1814
140
Stage Properties
Name
Common
Description
Defines environment variables common to all environment stages
1816
142

Fig. 18

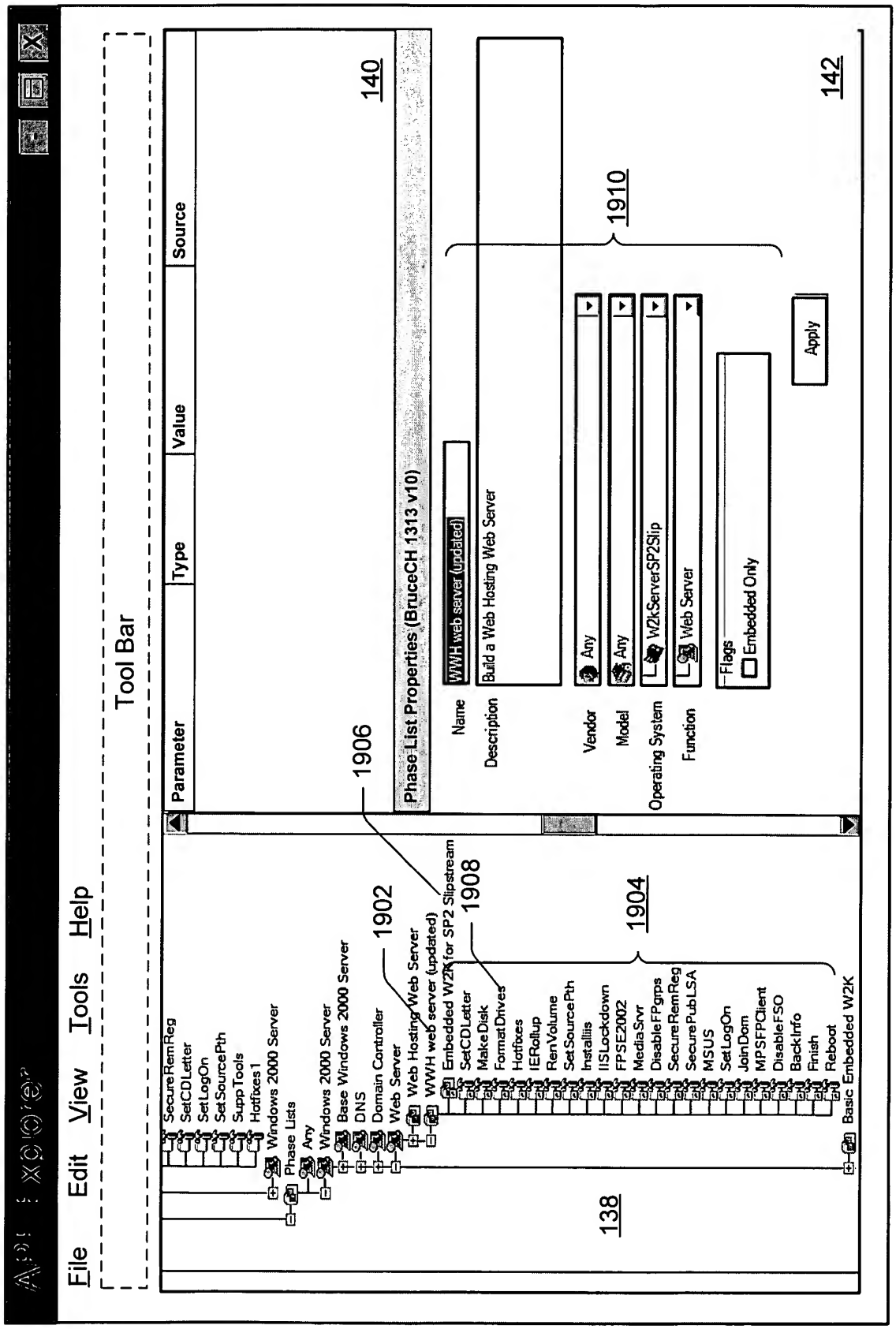

File Edit View Tools Help
Tool Bar
Parameter
Type
Value
Source
140
Phase List Properties (BruceCH 1313 v10)
1906
Name
WWH web server (updated)
Description
Build a Web Hosting Web Server
Vendor
Any
Model
Any
Operating System
W2kServerSP2Slip
Function
Web Server
Flags
Embedded Only
Apply
1910
142
138
1902
1904
1908
SecureRemReg
SetCDLetter
SetLogOn
SetSourcePth
SuppTools
Hotfixes1
Windows 2000 Server
Phase Lists
Any
Windows 2000 Server
Base Windows 2000 Server
DNS
Domain Controller
Web Server
Web Hosting Web Server
WWH web server (updated)
Embedded W2K for SP2 Slipstream
SetCDLetter
MakeDisk
FormatDrives
Hotfixes
IERollup
RenVolume
SetSourcePth
InstallIis
IISLockdown
FPSE2002
MediaSvr
DisableFPgrps
SecureRemReg
SecurePubLSA
MSUS
SetLogOn
JoinDom
MPSFPClient
DisableFSO
BackInfo
Finish
Reboot
Basic Embedded W2K

Fig. 19

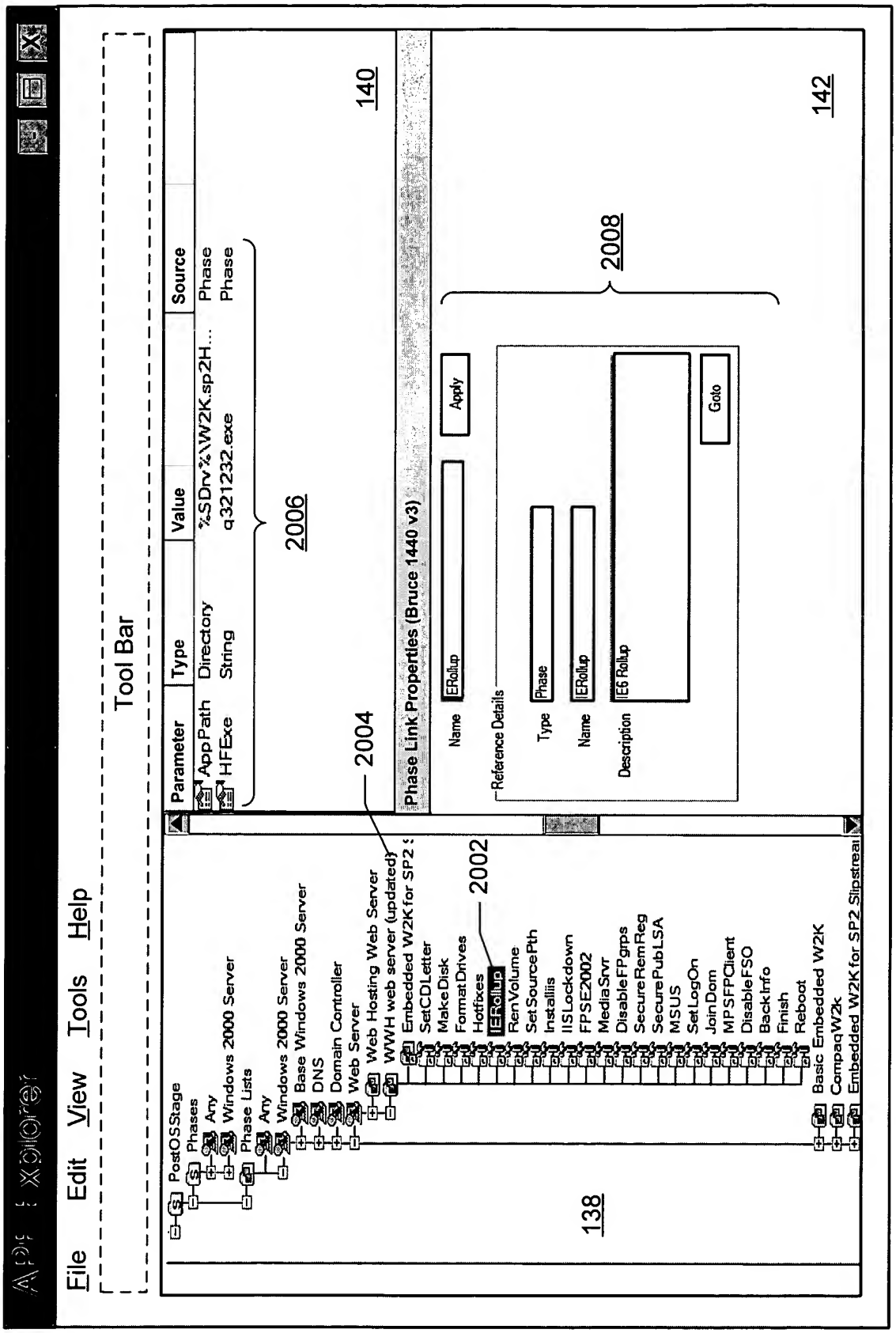

File Edit View Tools Help
Tool Bar
138
2002
2004
2006
2008
140
142
Parameter
Type
Value
Source
AppPath
Directory
%SDrv%\W2K.sp2H...
Phase
HFExe
String
q321232.exe
Phase
Phase Link Properties (Bruce 1440 v3)
Name
IERollup
Apply
Reference Details
Type
Phase
Name
IERollup
Description
IE6 Rollup
Goto
PostOSStage
Phases
Any
Windows 2000 Server
Phase Lists
Any
Windows 2000 Server
Base Windows 2000 Server
DNS
Domain Controller
Web Server
Web Hosting Web Server
WWH web server (updated)
Embedded W2K for SP2
SetCDLetter
MakeDisk
FormatDrives
Hotfixes
IERollup
RenVolume
SetSourcePth
Installiis
IISLockdown
FPSE2002
MediaSrvr
DisableFPgrps
SecureRemReg
SecurePubLSA
MSUS
SetLogOn
JoinDom
MPSFPClient
DisableFSO
BackInfo
Finish
Reboot
Basic Embedded W2K
CompaqW2k
Embedded W2K for SP2 Slipstrea

Fig. 20

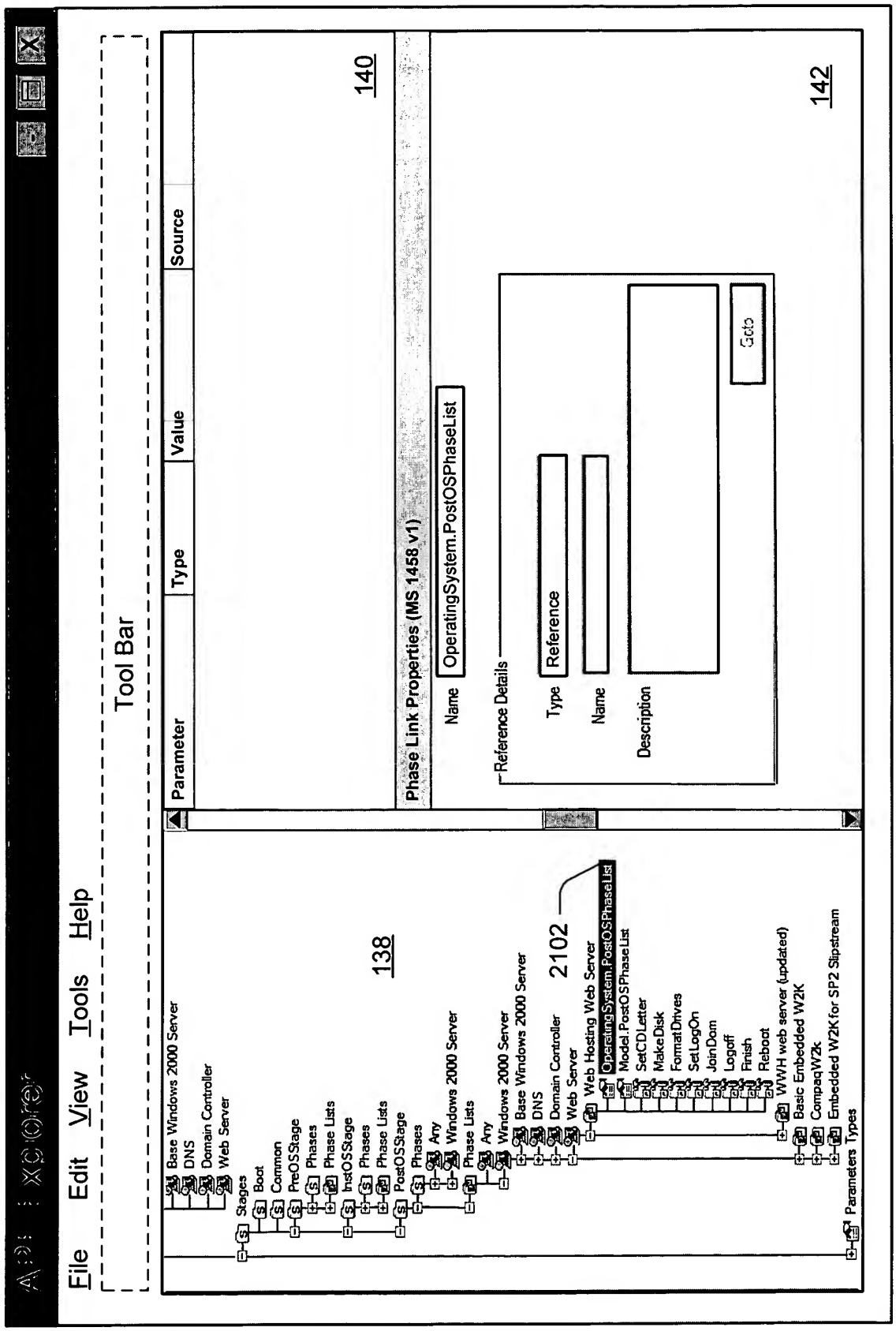

File
Edit
View
Tools
Help
Tool Bar
Base Windows 2000 Server
DNS
Domain Controller
Web Server
Stages
Boot
Common
PreOSStage
Phases
Phase Lists
InstOSStage
Phases
Phase Lists
PostOSStage
Phases
Any
Windows 2000 Server
Phase Lists
Any
Windows 2000 Server
Base Windows 2000 Server
DNS
Domain Controller
Web Server
Web Hosting Web Server
OperatingSystem.PostOSPhaseList
Model.PostOSPhaseList
SetCDLetter
MakeDisk
FormatDrives
SetLogOn
JoinDom
Logoff
Finish
Reboot
WWH web server (updated)
Basic Embedded W2K
CompaqW2k
Embedded W2K for SP2 Slipstream
Parameters Types
138
2102
Parameter
Type
Value
Source
140
Phase Link Properties (MS 1458 v1)
Name
OperatingSystem.PostOSPhaseList
Reference Details
Type
Reference
Name
Description
Goto
142

Fig. 21

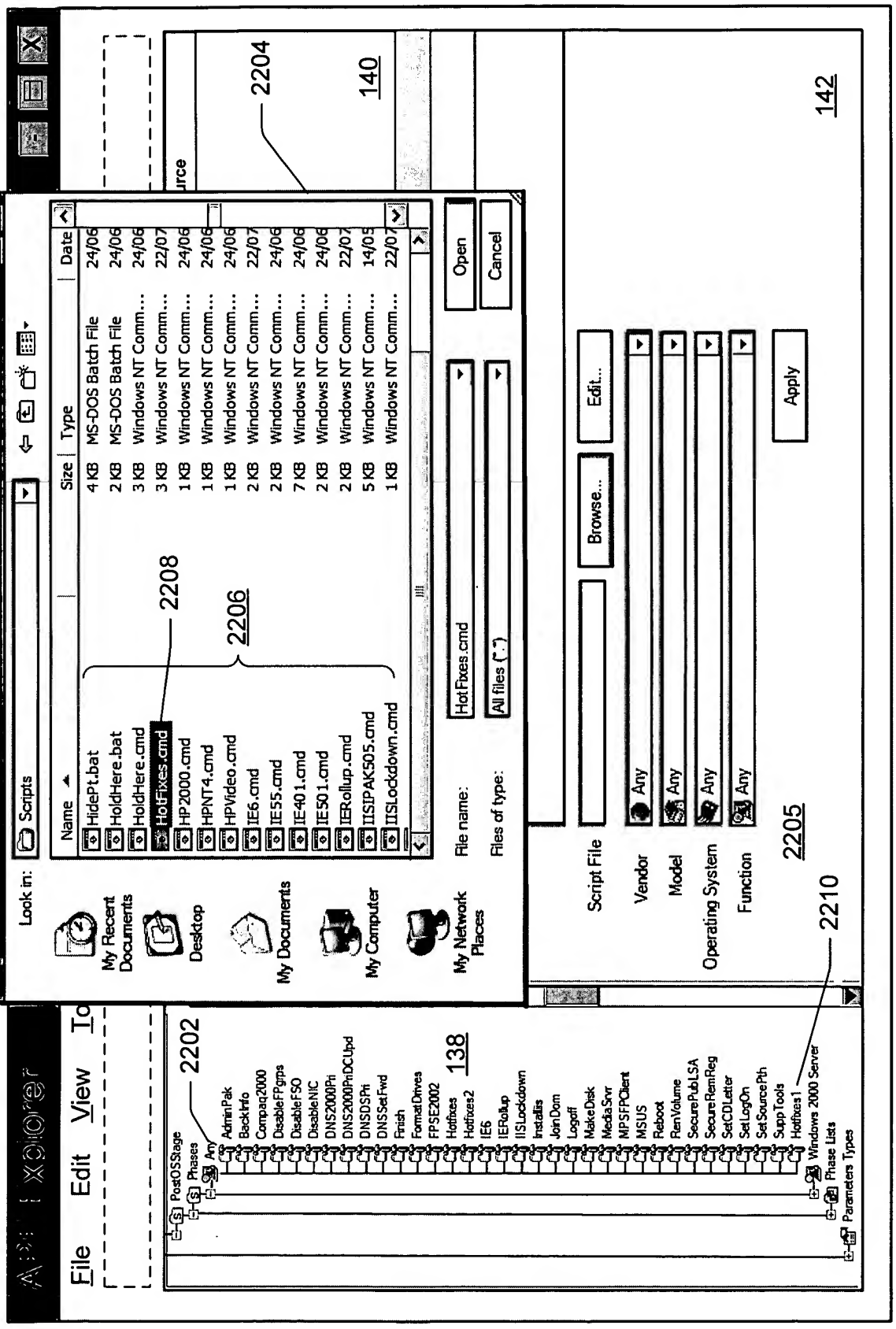

File Edit View To
Open
Look in:
Scripts
Name
Size
Type
Date
HidePt.bat
HoldHere.bat
HoldHere.cmd
HotFixes.cmd
HP2000.cmd
HPNT4.cmd
HPVideo.cmd
IE6.cmd
IE55.cmd
IE401.cmd
IE501.cmd
IERollup.cmd
IISPAK505.cmd
IISLockdown.cmd
My Recent Documents
Desktop
My Documents
My Computer
My Network Places
File name:
HotFixes.cmd
Files of type:
All files (*.*)
Open
Cancel
2208
2206
2204
140
Script File
Browse...
Edit...
Vendor
Any
Model
Any
Operating System
Any
Function
Any
Apply
2205
142
2210
2202
138
PostOSStage
Phases
Any
AdminPak
BackInfo
Compaq2000
DisableFPgps
DisableFSO
DisableNIC
DNS2000Pri
DNS2000PriDCUpd
DNSDSPri
DNSSetFwd
Finish
FormatDrives
FPSE2002
Hotfixes
Hotfixes2
IE6
IERollup
IISLockdown
Installis
JoinDom
Logoff
MakeDisk
MediaSvr
NPSFPClient
MSUS
Reboot
RenVolume
SecurePubLSA
SecureRemReg
SetCDLetter
SetLogOn
SetSourcePth
SuppTools
Hotfixes1
Windows 2000 Server
Phase Lists
Parameters Types

Fig. 22

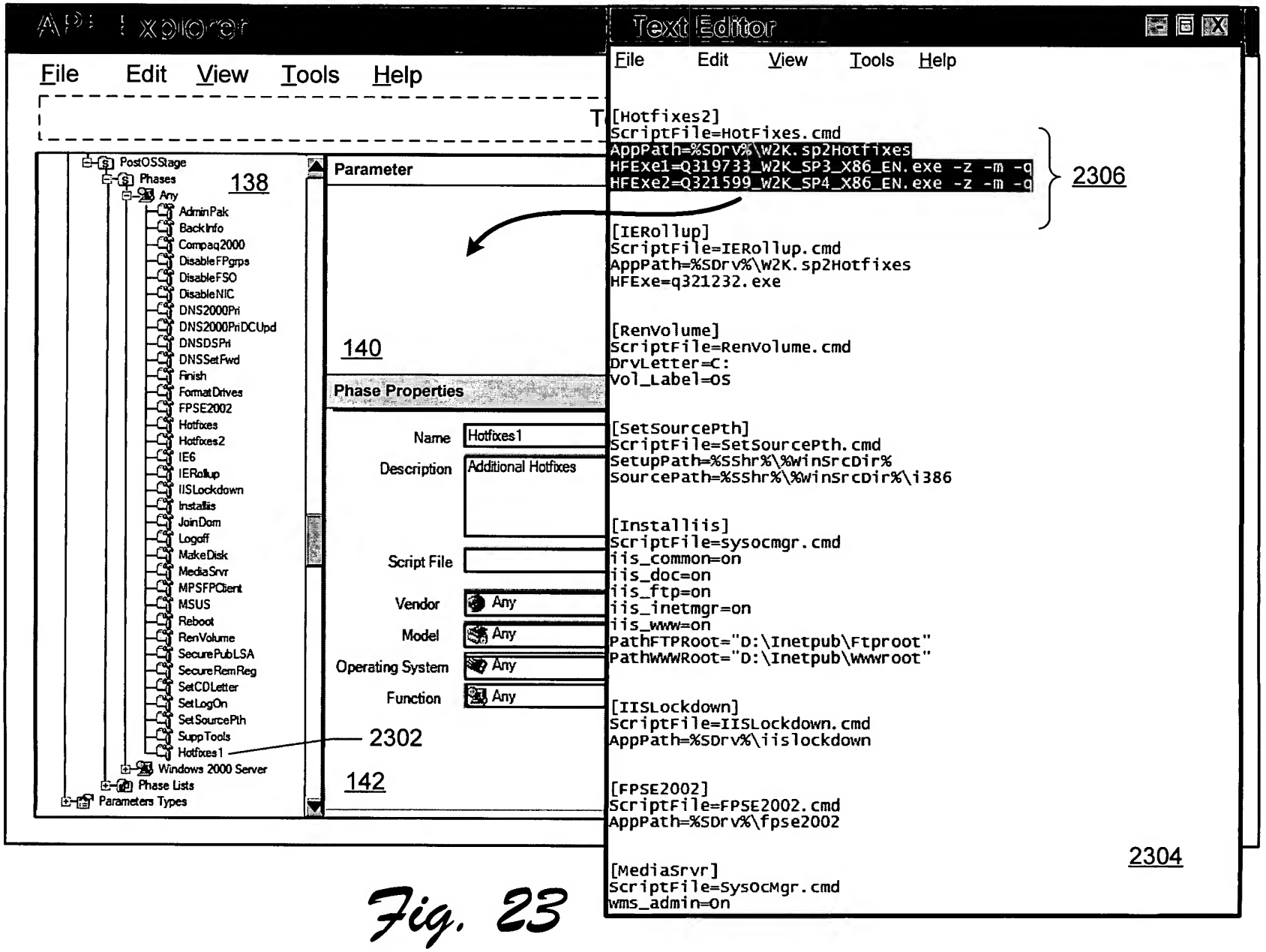

Explorer
File Edit View Tools Help
PostOSStage
Phases
Any
AdminPak
BackInfo
Compaq2000
DisableFPgrps
DisableFSO
DisableNIC
DNS2000Pri
DNS2000PriDCUpd
DNSDSPri
DNSSetFwd
Finish
FormatDrives
FPSE2002
Hotfixes
Hotfixes2
IE6
IERollup
IISLockdown
Installiis
JoinDom
Logoff
MakeDisk
MediaSrvr
MPSFPClient
MSUS
Reboot
RenVolume
SecurePubLSA
SecureRemReg
SetCDLetter
SetLogOn
SetSourcePth
SuppTools
Hotfixes1
Windows 2000 Server
Phase Lists
Parameters Types
138
Parameter
140
Phase Properties
Name
Hotfixes1
Description
Additional Hotfixes
Script File
Vendor
Any
Model
Any
Operating System
Any
Function
Any
2302
142
Text Editor
File Edit View Tools Help
[Hotfixes2]
ScriptFile=HotFixes.cmd
AppPath=%SDrv%\W2K.sp2Hotfixes
HFExe1=Q319733_W2K_SP3_X86_EN.exe -z -m -q
HFExe2=Q321599_W2K_SP4_X86_EN.exe -z -m -q
2306
[IERollup]
ScriptFile=IERollup.cmd
AppPath=%SDrv%\W2K.sp2Hotfixes
HFExe=q321232.exe
[RenVolume]
ScriptFile=RenVolume.cmd
DrvLetter=C:
Vol_Label=OS
[SetSourcePth]
ScriptFile=SetSourcePth.cmd
SetupPath=%SShr%\%WinSrcDir%
SourcePath=%SShr%\%WinSrcDir%\i386
[Installiis]
ScriptFile=sysocmgr.cmd
iis_common=on
iis_doc=on
iis_ftp=on
iis_inetmgr=on
iis_www=on
PathFTPRoot="D:\Inetpub\Ftproot"
PathWWWRoot="D:\Inetpub\wwwroot"
[IISLockdown]
ScriptFile=IISLockdown.cmd
AppPath=%SDrv%\iislockdown
[FPSE2002]
ScriptFile=FPSE2002.cmd
AppPath=%SDrv%\fpse2002
2304
[MediaSrvr]
ScriptFile=SysOcMgr.cmd
wms_admin=On

Fig. 23

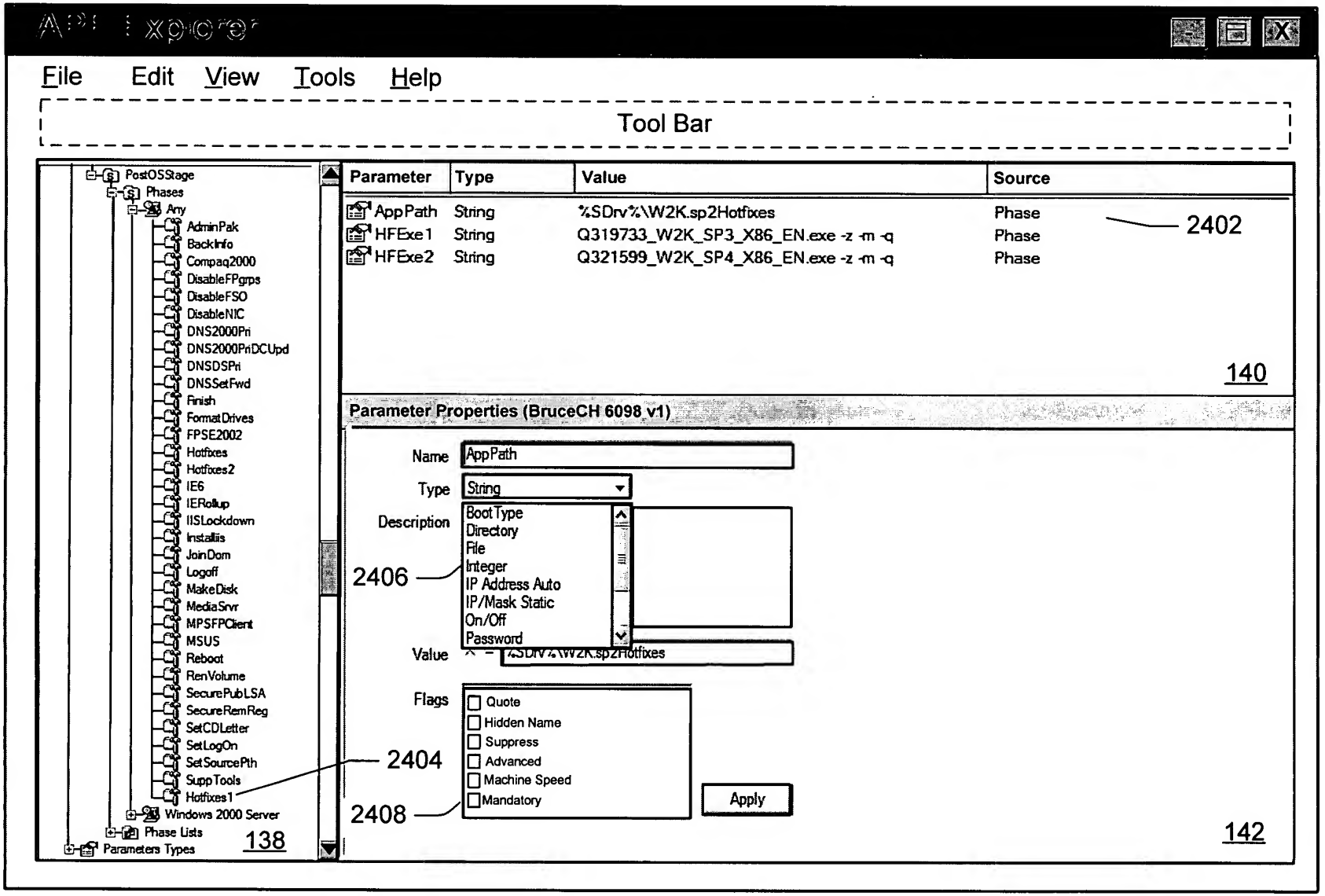

File
Edit
View
Tools
Help
Tool Bar
PostOSStage
Phases
Any
AdminPak
BackInfo
Compaq2000
DisableFPgrps
DisableFSO
DisableNIC
DNS2000Pri
DNS2000PriDCUpd
DNSDSPri
DNSSetFwd
Finish
FormatDrives
FPSE2002
Hotfixes
Hotfixes2
IE6
IERollup
IISLockdown
InstallIis
JoinDom
Logoff
MakeDisk
MediaSrvr
MPSFPClient
MSUS
Reboot
RenVolume
SecurePubLSA
SecureRemReg
SetCDLetter
SetLogOn
SetSourcePth
SuppTools
Hotfixes1
Windows 2000 Server
Phase Lists
Parameters Types
138
Parameter
Type
Value
Source
AppPath
String
%SDrv%\W2K.sp2Hotfixes
Phase
HFExe1
String
Q319733_W2K_SP3_X86_EN.exe -z -m -q
Phase
HFExe2
String
Q321599_W2K_SP4_X86_EN.exe -z -m -q
Phase
2402
140
Parameter Properties (BruceCH 6098 v1)
Name
AppPath
Type
String
Description
Boot Type
Directory
File
Integer
IP Address Auto
IP/Mask Static
On/Off
Password
2406
Value
%SDrv%\W2K.sp2Hotfixes
Flags
Quote
Hidden Name
Suppress
Advanced
Machine Speed
Mandatory
2404
2408
Apply
142

Fig. 24

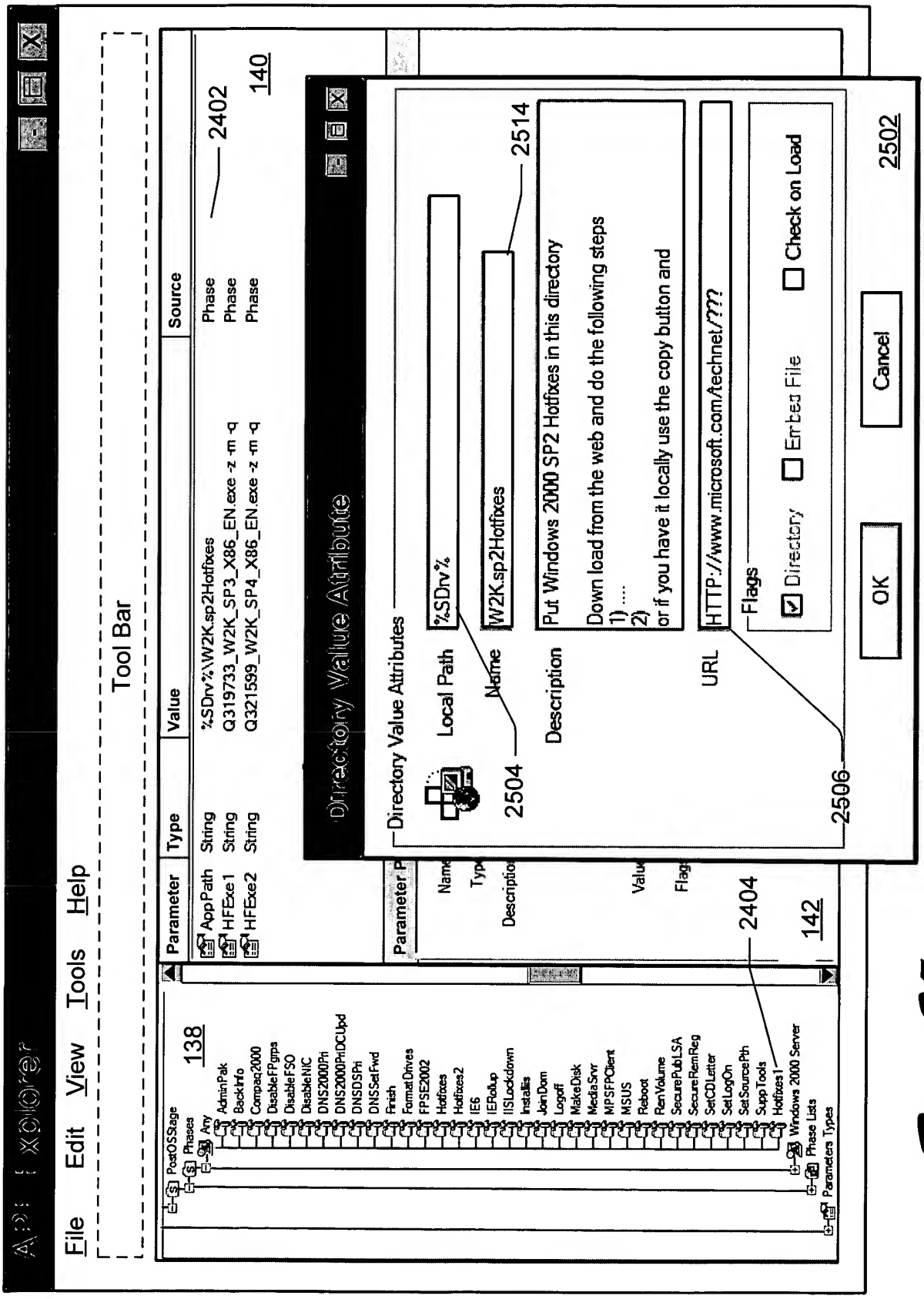

File Edit View Tools Help
Tool Bar
138
142
2404
140
2402
2504
2514
2506
2502
Parameter
Type
Value
Source
AppPath String %SDrv%\W2K.sp2Hotfixes Phase
HFExe1 String Q319733_W2K_SP3_X86_EN.exe -z -m -q Phase
HFExe2 String Q321599_W2K_SP4_X86_EN.exe -z -m -q Phase
Directory Value Attribute
Directory Value Attributes
Local Path
%SDrv%
Name
W2K.sp2Hotfixes
Description
Put Windows 2000 SP2 Hotfixes in this directory
Down load from the web and do the following steps
1) ....
2)
or if you have it locally use the copy button and
URL
HTTP://www.microsoft.com/technet/???
Flags
Directory
Embed File
Check on Load
OK
Cancel

Fig. 25

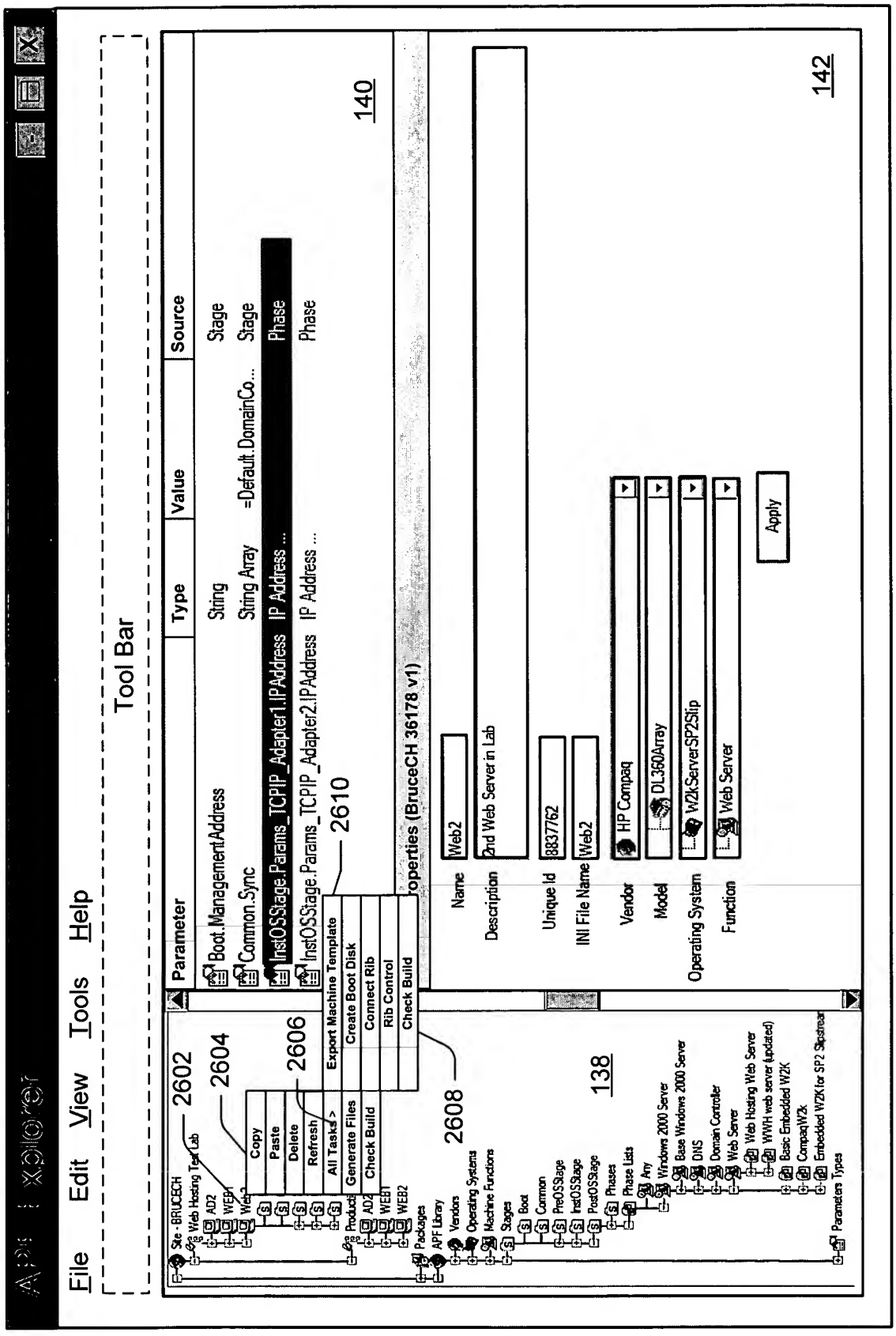

File Edit View Tools Help
Tool Bar
Parameter
Type
Value
Source
Boot.ManagementAddress
String
Stage
Common.Sync
String Array
=Default.DomainCo...
Stage
InstOSStage.Params_TCPIP_Adapter1.IPAddress
IP Address ...
Phase
InstOSStage.Params_TCPIP_Adapter2.IPAddress
IP Address ...
Phase
2602
2604
2606
2608
2610
138
140
142
Copy
Paste
Delete
Refresh
All Tasks >
Export Machine Template
Create Boot Disk
Connect Rib
Rib Control
Check Build
Name
Web2
Description
2nd Web Server in Lab
Unique Id
8837762
INI File Name
Web2
Vendor
HP Compaq
Model
DL360Array
Operating System
W2kServerSP2Slip
Function
Web Server
Apply

Fig. 26

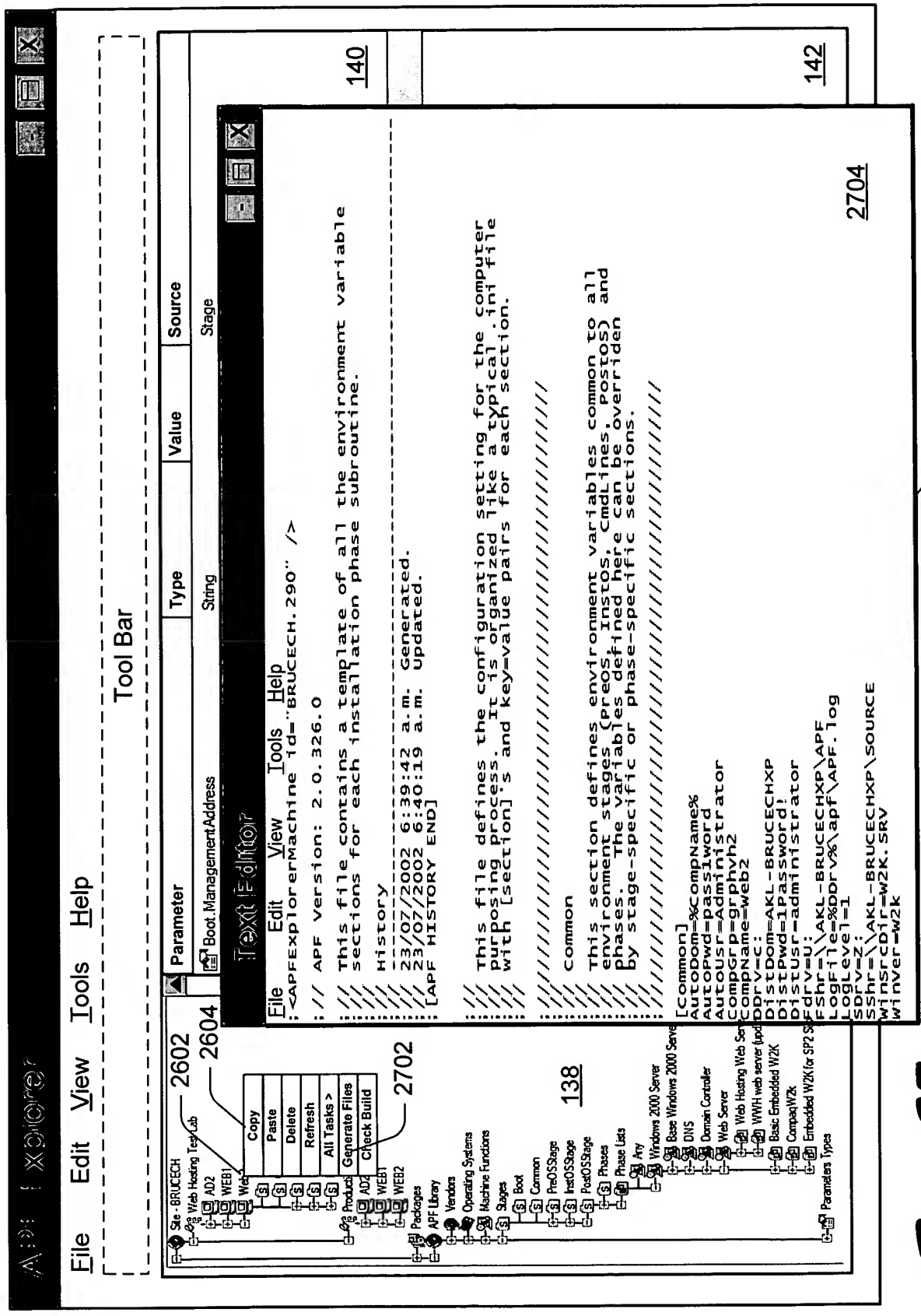

File Edit View Tools Help
Tool Bar
Site - BRUCECH
Web Hosting Test Lab
AD2
WEB1
Web
Products
AD2
WEB1
WEB2
Packages
APF Library
Vendors
Operating Systems
Machine Functions
Stages
Boot
Common
PreOSStage
InstOSStage
PostOSStage
Phases
Phase Lists
Any
Windows 2000 Server
Base Windows 2000 Server
DNS
Domain Controller
Web Server
Web Hosting Web Server
WWH web server (upd
Basic Embedded W2K
CompaqW2k
Embedded W2K for SP2 S
Parameters Types
Copy
Paste
Delete
Refresh
All Tasks >
Generate Files
Check Build
2602
2604
2702
138
Parameter
Type
Value
Source
Boot.Management.Address
String
Stage
140
142
2704
2706
Text Editor
File Edit View Tools Help
<APFExplorerMachine id="BRUCECH.290" />
; // APF version: 2.0.326.0
;///
;/// This file contains a template of all the environment variable
;/// sections for each installation phase subroutine.
;///
;/// History
;///
;/// 23/07/2002 6:39:42 a.m. Generated.
;/// 23/07/2002 6:40:19 a.m. Updated.
;/// [APF HISTORY END]
;///
;/// This file defines the configuration setting for the computer
;/// purposing process. It is organized like a typical .ini file
;/// with [section]'s and key=value pairs for each section.
;///
;//
;///
;/// common
;///
;/// This section defines environment variables common to all
;/// environment stages (PreOS, InstOS, CmdLines, PostOS) and
;/// phases. The variables defined here can be overriden
;/// by stage-specific or phase-specific sections.
;///
;//
[Common]
AutoDom=%CompName%
AutoPwd=passiword
AutoUsr=Administrator
CompGrp=grphvh2
CompName=web2
DDrv=c:
DistDom=AKL-BRUCECHXP
DistPwd=1Password!
DistUsr=administrator
FDrv=U:
FShr=\\AKL-BRUCECHXP\APF
LogFile=%DDrv%\apf\APF.log
LogLevel=1
SDrv=Z:
SShr=\\AKL-BRUCECHXP\SOURCE
WinSrcDir=w2k.SRV
WinVer=w2k

Fig. 27

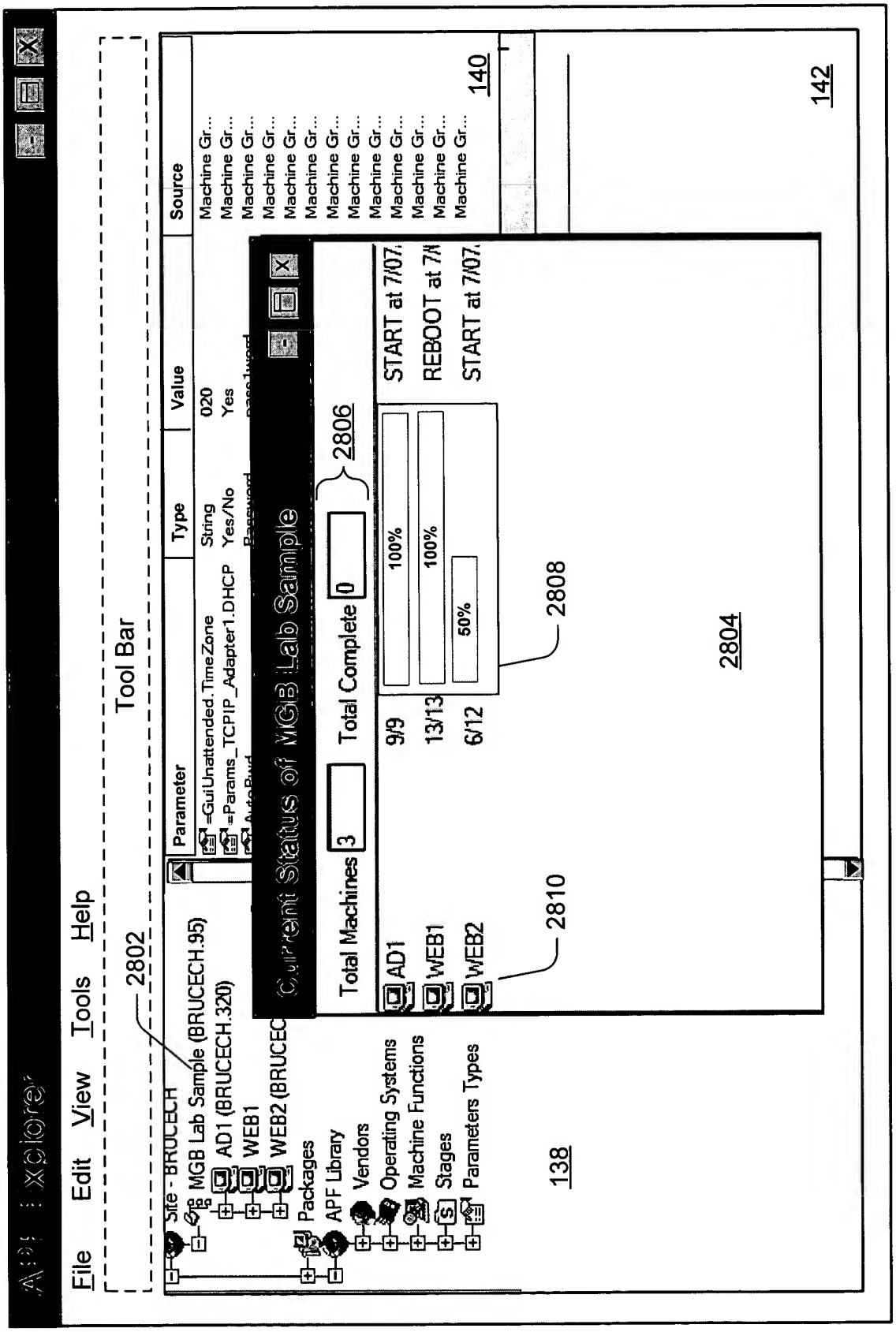

File Edit View Tools Help
Tool Bar
2802
Site - BRUCECH
MGB Lab Sample (BRUCECH.95)
AD1 (BRUCECH.320)
WEB1
WEB2 (BRUCEC
Packages
APF Library
Vendors
Operating Systems
Machine Functions
Stages
Parameters Types
Parameter
Type
Value
Source
=GuiUnattended.TimeZone
String
020
Machine Gr...
=Params_TCPIP_Adapter1.DHCP
Yes/No
Yes
Machine Gr...
Password
Machine Gr...
Machine Gr...
Machine Gr...
Machine Gr...
Machine Gr...
Machine Gr...
Machine Gr...
Machine Gr...
Machine Gr...
140
Current Status of MGB Lab Sample
Total Machines 3
Total Complete 0
2806
AD1
9/9
100%
START at 7/07
WEB1
13/13
100%
REBOOT at 7/
WEB2
6/12
50%
START at 7/07
2808
2810
138
2804
142

Fig. 28

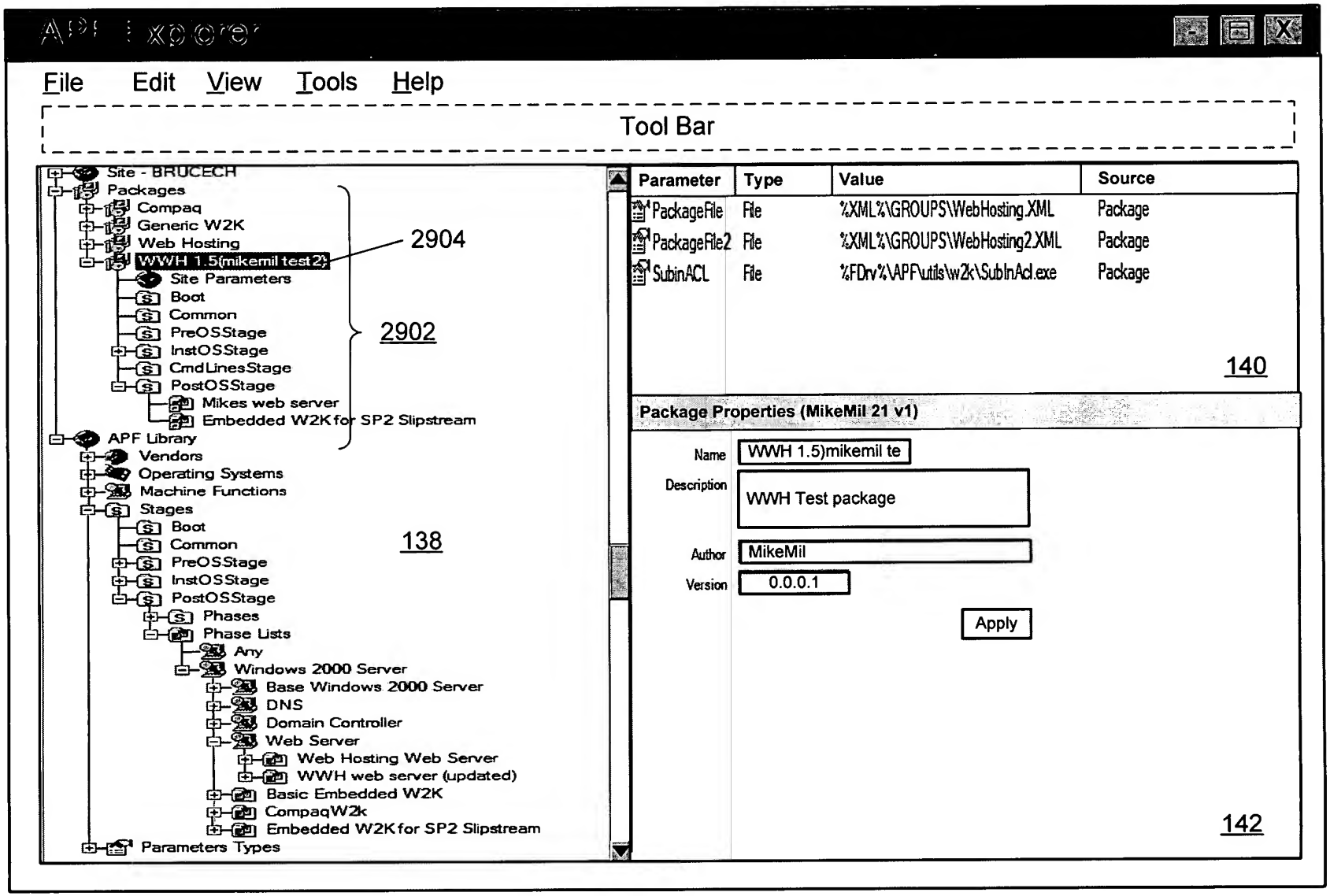

File Edit View Tools Help
Tool Bar
Site - BRUCECH
Packages
Compaq
Generic W2K
Web Hosting
WWH 1.5(mikemil test2)
Site Parameters
Boot
Common
PreOSStage
InstOSStage
CmdLinesStage
PostOSStage
Mikes web server
Embedded W2K for SP2 Slipstream
APF Library
Vendors
Operating Systems
Machine Functions
Stages
Boot
Common
PreOSStage
InstOSStage
PostOSStage
Phases
Phase Lists
Any
Windows 2000 Server
Base Windows 2000 Server
DNS
Domain Controller
Web Server
Web Hosting Web Server
WWH web server (updated)
Basic Embedded W2K
CompaqW2k
Embedded W2K for SP2 Slipstream
Parameters Types
2904
2902
138
Parameter
Type
Value
Source
PackageFile
File
%XML%\GROUPS\WebHosting.XML
Package
PackageFile2
File
%XML%\GROUPS\WebHosting2.XML
Package
SubinACL
File
%FDrv%\APF\utils\w2k\SubInAcl.exe
Package
140
Package Properties (MikeMil 21 v1)
Name
WWH 1.5)mikemil te
Description
WWH Test package
Author
MikeMil
Version
0.0.0.1
Apply
142

Fig. 29

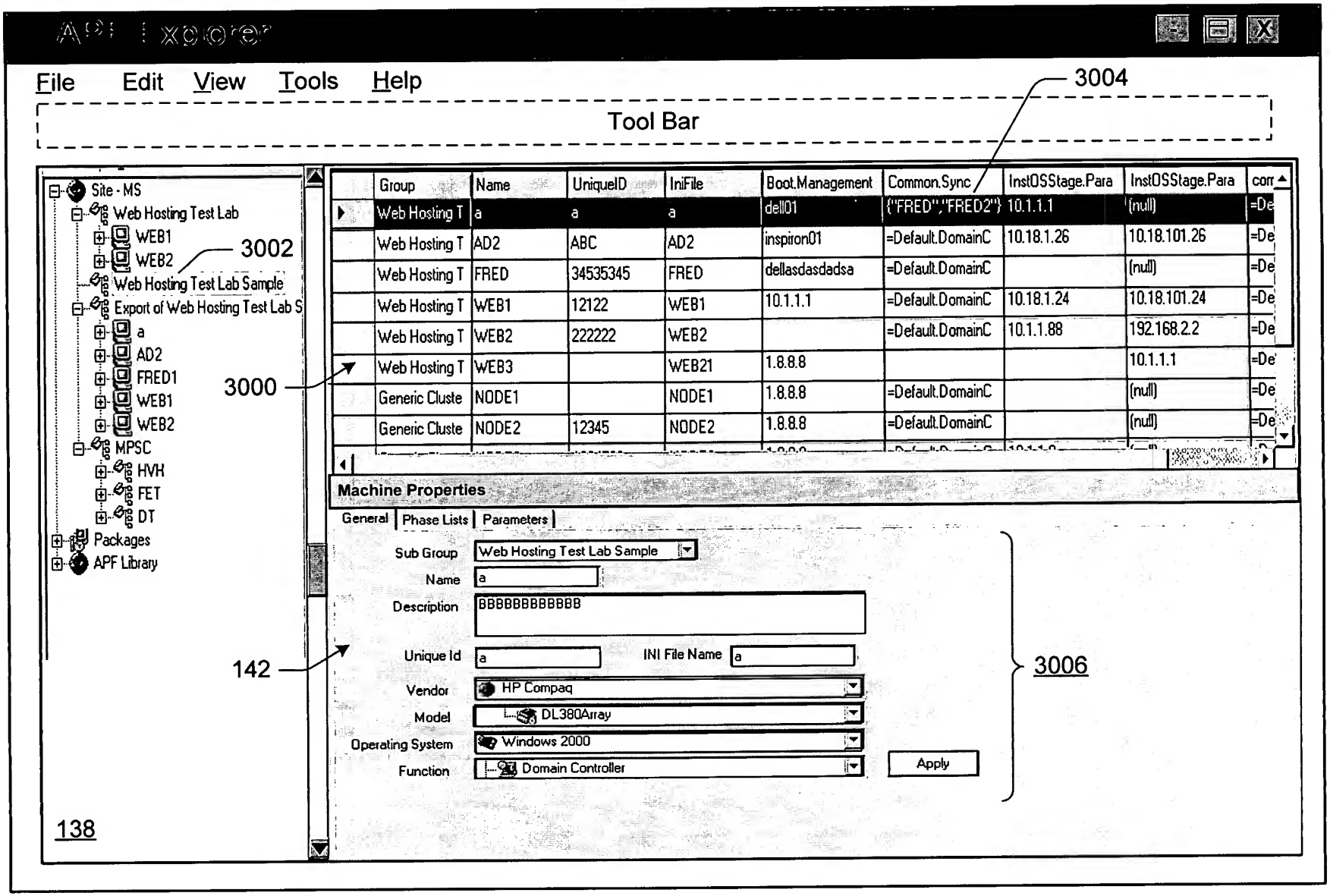

APF Explorer
File Edit View Tools Help
Tool Bar
3004
3002
3000
142
138
3006
Site - MS
Web Hosting Test Lab
WEB1
WEB2
Web Hosting Test Lab Sample
Export of Web Hosting Test Lab S
a
AD2
FRED1
WEB1
WEB2
MPSC
HVH
FET
DT
Packages
APF Library
Group
Name
UniqueID
IniFile
Boot.Management
Common.Sync
InstOSStage.Para
InstOSStage.Para
Web Hosting T a a a dell01 {"FRED","FRED2"} 10.1.1.1 (null)
Web Hosting T AD2 ABC AD2 inspiron01 =Default.DomainC 10.18.1.26 10.18.101.26
Web Hosting T FRED 34535345 FRED dellasdasdadsa =Default.DomainC (null)
Web Hosting T WEB1 12122 WEB1 10.1.1.1 =Default.DomainC 10.18.1.24 10.18.101.24
Web Hosting T WEB2 222222 WEB2 =Default.DomainC 10.1.1.88 192.168.2.2
Web Hosting T WEB3 WEB21 1.8.8.8 10.1.1.1
Generic Cluste NODE1 NODE1 1.8.8.8 =Default.DomainC (null)
Generic Cluste NODE2 12345 NODE2 1.8.8.8 =Default.DomainC (null)
Machine Properties
General
Phase Lists
Parameters
Sub Group Web Hosting Test Lab Sample
Name a
Description BBBBBBBBBBB
Unique Id a
INI File Name a
Vendor HP Compaq
Model DL380Array
Operating System Windows 2000
Function Domain Controller
Apply

Fig. 30

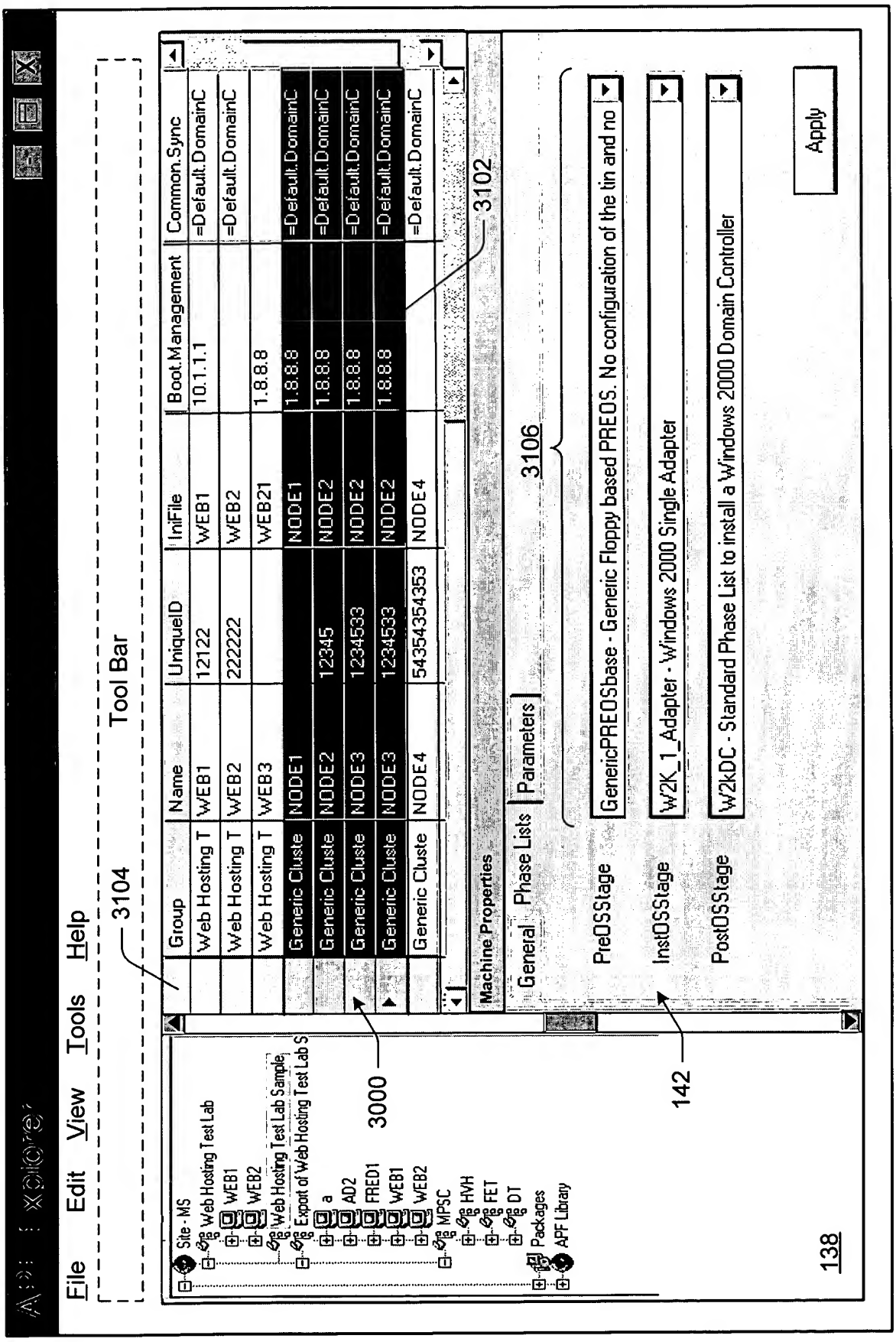

File Edit View Tools Help
Tool Bar
3104
3000
142
138
3102
3106
Site - MS
Web Hosting Test Lab
WEB1
WEB2
Web Hosting Test Lab Sample
Export of Web Hosting Test Lab S
a
AD2
FRED1
WEB1
WEB2
MPSC
HVH
FET
DT
Packages
APF Library
Group
Name
UniqueID
IniFile
Boot.Management
Common.Sync
Web Hosting T
WEB1
12122
WEB1
10.1.1.1
=Default.DomainC
Web Hosting T
WEB2
222222
WEB2
=Default.DomainC
Web Hosting T
WEB3
WEB21
1.8.8.8
=Default.DomainC
Generic Cluste
NODE1
NODE1
1.8.8.8
=Default.DomainC
Generic Cluste
NODE2
12345
NODE2
1.8.8.8
=Default.DomainC
Generic Cluste
NODE3
1234533
NODE2
1.8.8.8
=Default.DomainC
Generic Cluste
NODE3
1234533
NODE2
1.8.8.8
=Default.DomainC
Generic Cluste
NODE4
54354354353
NODE4
=Default.DomainC
Machine Properties
General
Phase Lists
Parameters
PreOSStage
GenericPREOSbase - Generic Floppy based PREOS. No configuration of the tin and no
InstOSStage
W2K_1_Adapter - Windows 2000 Single Adapter
PostOSStage
W2kDC - Standard Phase List to install a Windows 2000 Domain Controller
Apply

Fig. 31

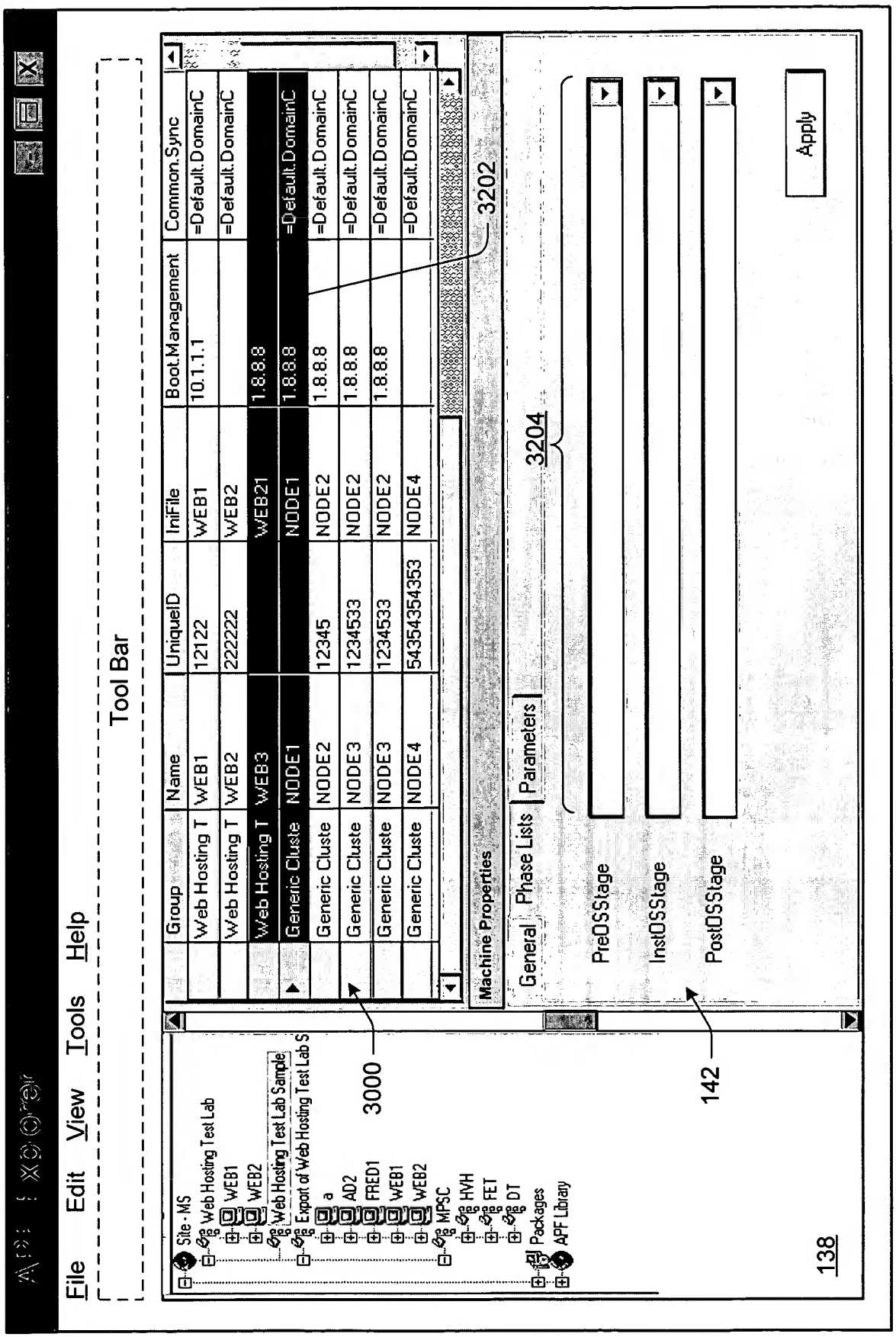

File Edit View Tools Help
Tool Bar
Site - MS
Web Hosting Test Lab
WEB1
WEB2
Web Hosting Test Lab Sample
Export of Web Hosting Test Lab S
a
AD2
FRED1
WEB1
WEB2
MPSC
HVH
FET
DT
Packages
APF Library
138
3000
142
Group
Name
UniqueID
IniFile
Boot.Management
Common.Sync
Web Hosting T
WEB1
12122
WEB1
10.1.1.1
=Default.DomainC
Web Hosting T
WEB2
222222
WEB2
=Default.DomainC
Web Hosting T
WEB3
WEB21
1.8.8.8
Generic Cluste
NODE1
NODE1
1.8.8.8
=Default.DomainC
Generic Cluste
NODE2
12345
NODE2
1.8.8.8
=Default.DomainC
Generic Cluste
NODE3
1234533
NODE2
1.8.8.8
=Default.DomainC
Generic Cluste
NODE3
1234533
NODE2
1.8.8.8
=Default.DomainC
Generic Cluste
NODE4
54354354353
NODE4
=Default.DomainC
3202
Machine Properties
General
Phase Lists
Parameters
3204
PreOSStage
InstOSStage
PostOSStage
Apply

Fig. 32

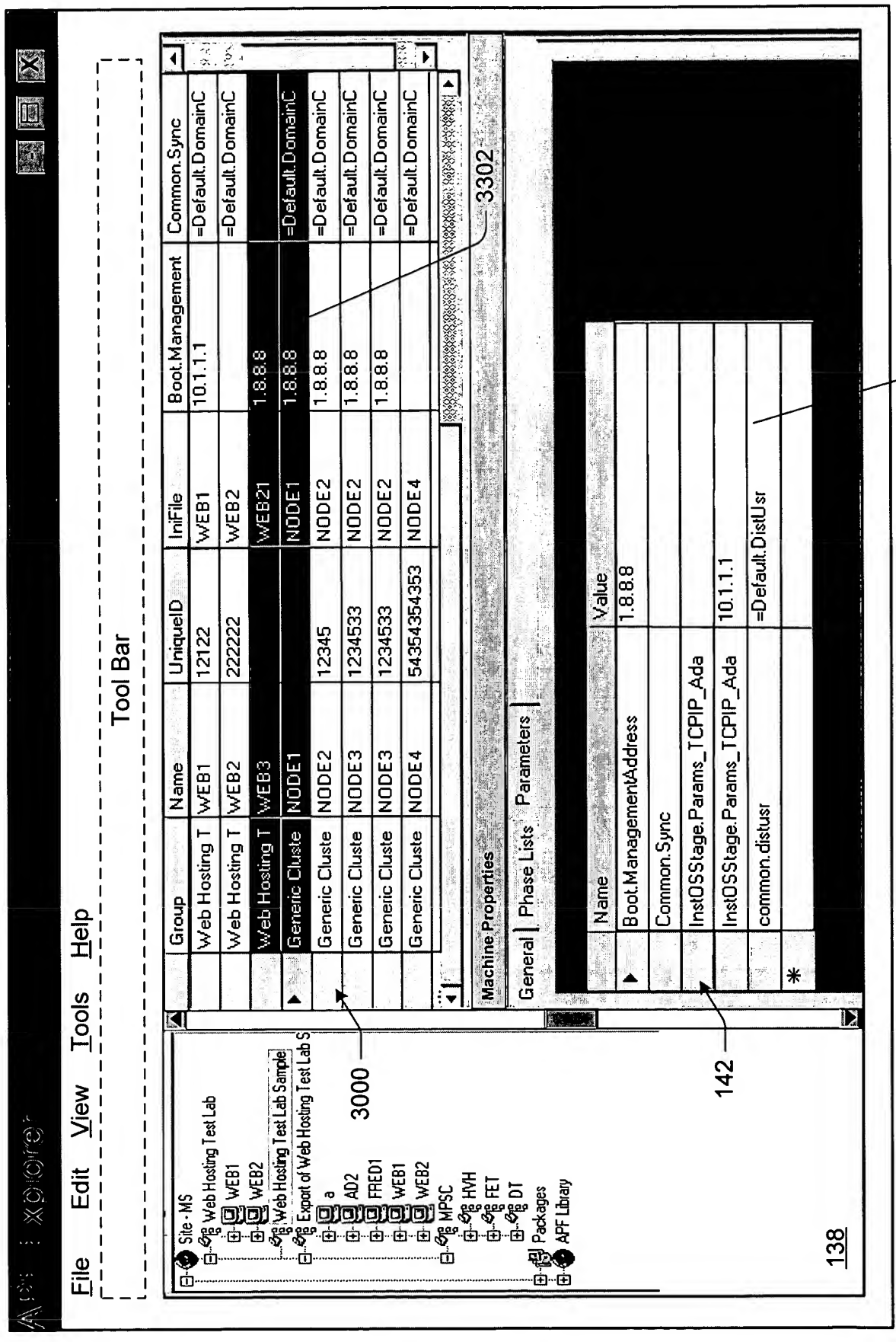

File Edit View Tools Help
Tool Bar
Site - MS
Web Hosting Test Lab
WEB1
WEB2
Web Hosting Test Lab Sample
Export of Web Hosting Test Lab S
a
AD2
FRED1
WEB1
WEB2
MPSC
HVH
FET
DT
Packages
APF Library
138
3000
142
Group
Name
UniqueID
IniFile
Boot.Management
Common.Sync
Web Hosting T
WEB1
12122
WEB1
10.1.1.1
=Default.DomainC
Web Hosting T
WEB2
222222
WEB2
=Default.DomainC
Web Hosting T
WEB3
WEB21
1.8.8.8
Generic Cluste
NODE1
NODE1
1.8.8.8
=Default.DomainC
Generic Cluste
NODE2
12345
NODE2
1.8.8.8
=Default.DomainC
Generic Cluste
NODE3
1234533
NODE2
1.8.8.8
=Default.DomainC
Generic Cluste
NODE3
1234533
NODE2
1.8.8.8
=Default.DomainC
Generic Cluste
NODE4
54354354353
NODE4
=Default.DomainC
3302
Machine Properties
General
Phase Lists
Parameters
Name
Value
Boot.ManagementAddress
1.8.8.8
Common.Sync
InstOSStage.Params_TCPIP_Ada
InstOSStage.Params_TCPIP_Ada
10.1.1.1
common.distusr
=Default.DistUsr
3304

Fig. 33

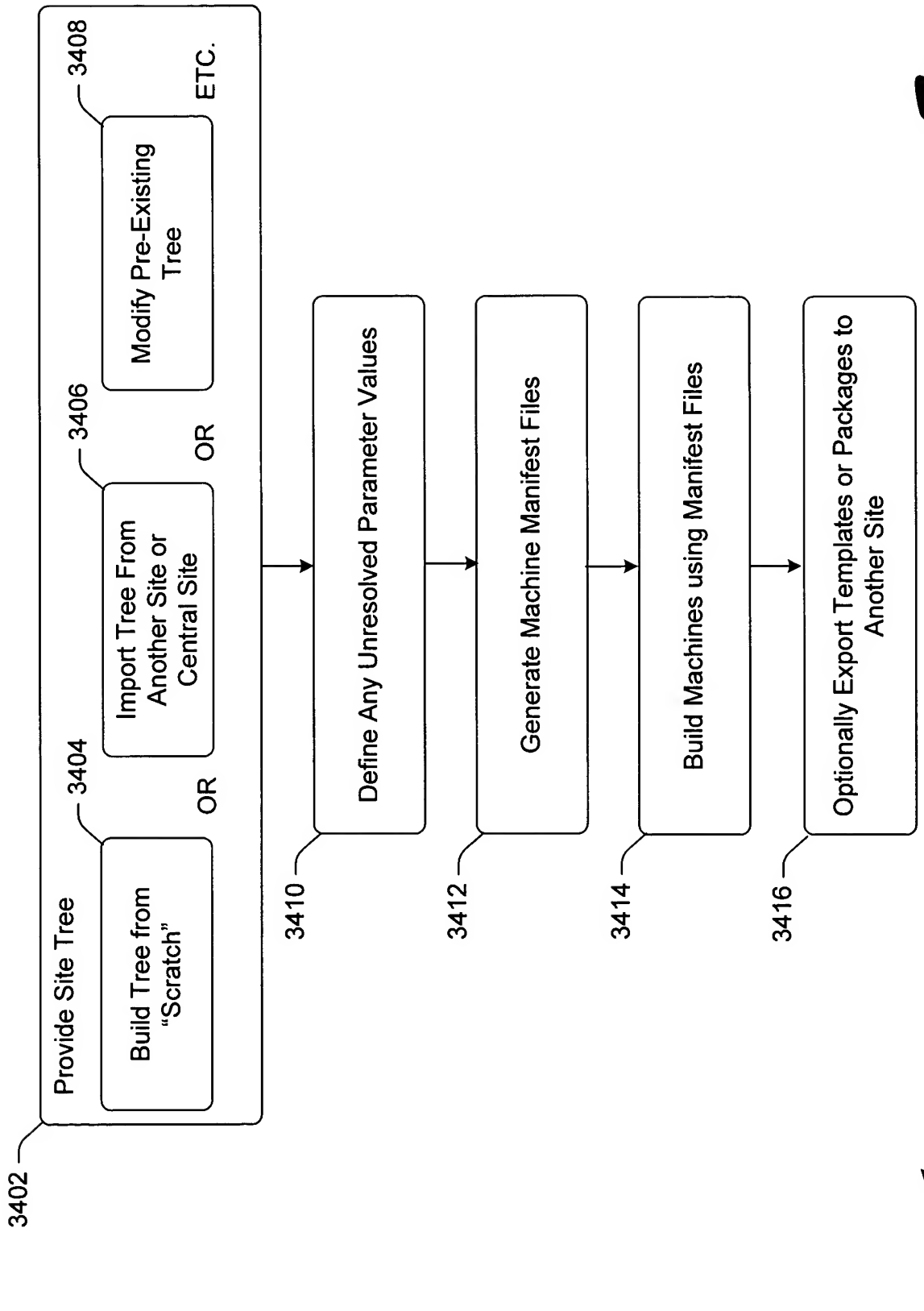

3400
3402
Provide Site Tree
3404
Build Tree from "Scratch"
OR
3406
Import Tree From Another Site or Central Site
OR
3408
Modify Pre-Existing Tree
ETC.
3410
Define Any Unresolved Parameter Values
3412
Generate Machine Manifest Files
3414
Build Machines using Manifest Files
3416
Optionally Export Templates or Packages to Another Site

Fig. 34

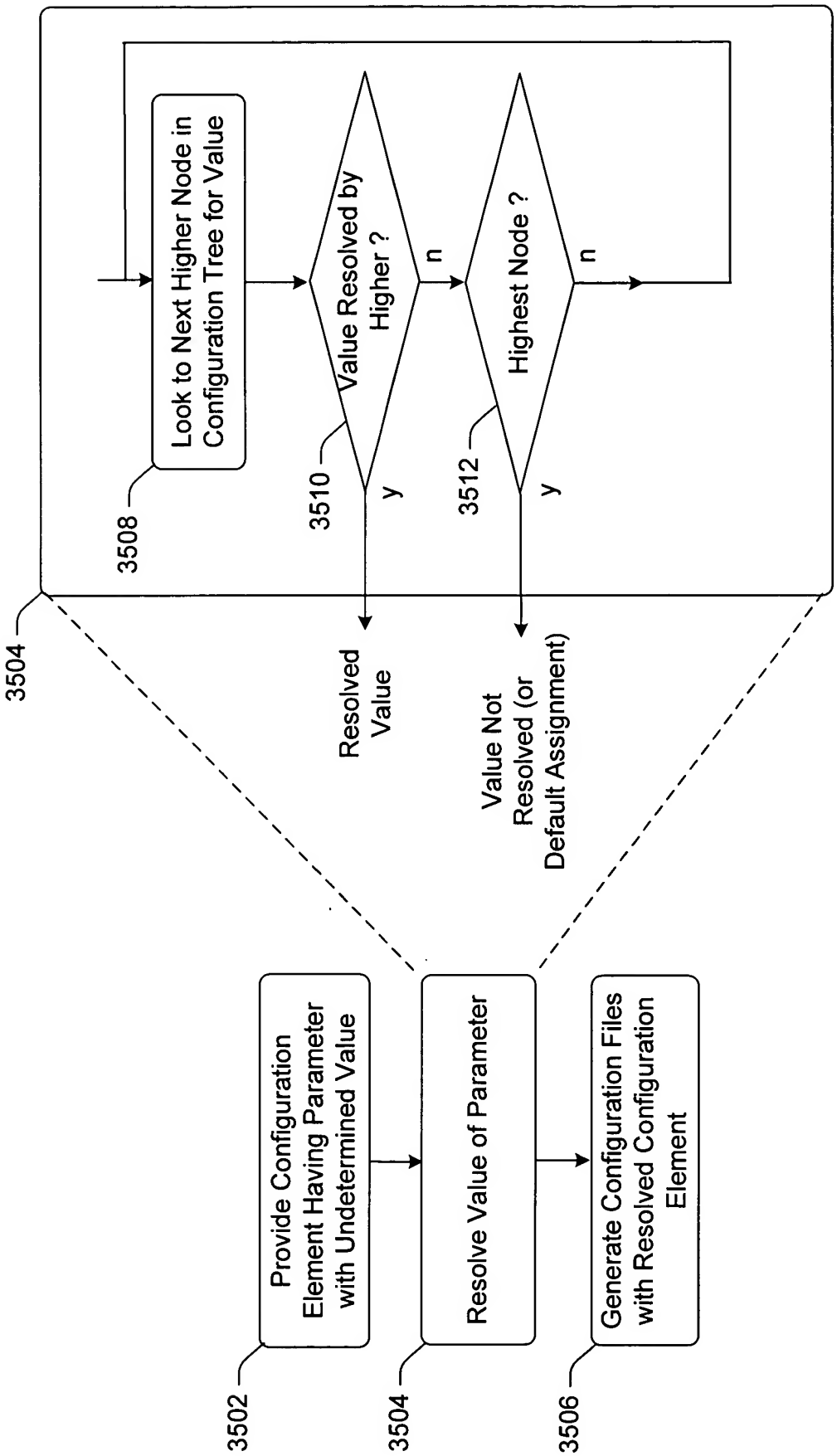

Provide Configuration Element Having Parameter with Undetermined Value
Resolve Value of Parameter
Generate Configuration Files with Resolved Configuration Element
3502
3504
3506
3500
3504
Look to Next Higher Node in Configuration Tree for Value
3508
Value Resolved by Higher ?
3510
y
n
Highest Node ?
3512
y
n
Resolved Value
Value Not Resolved (or Default Assignment)

Fig. 35

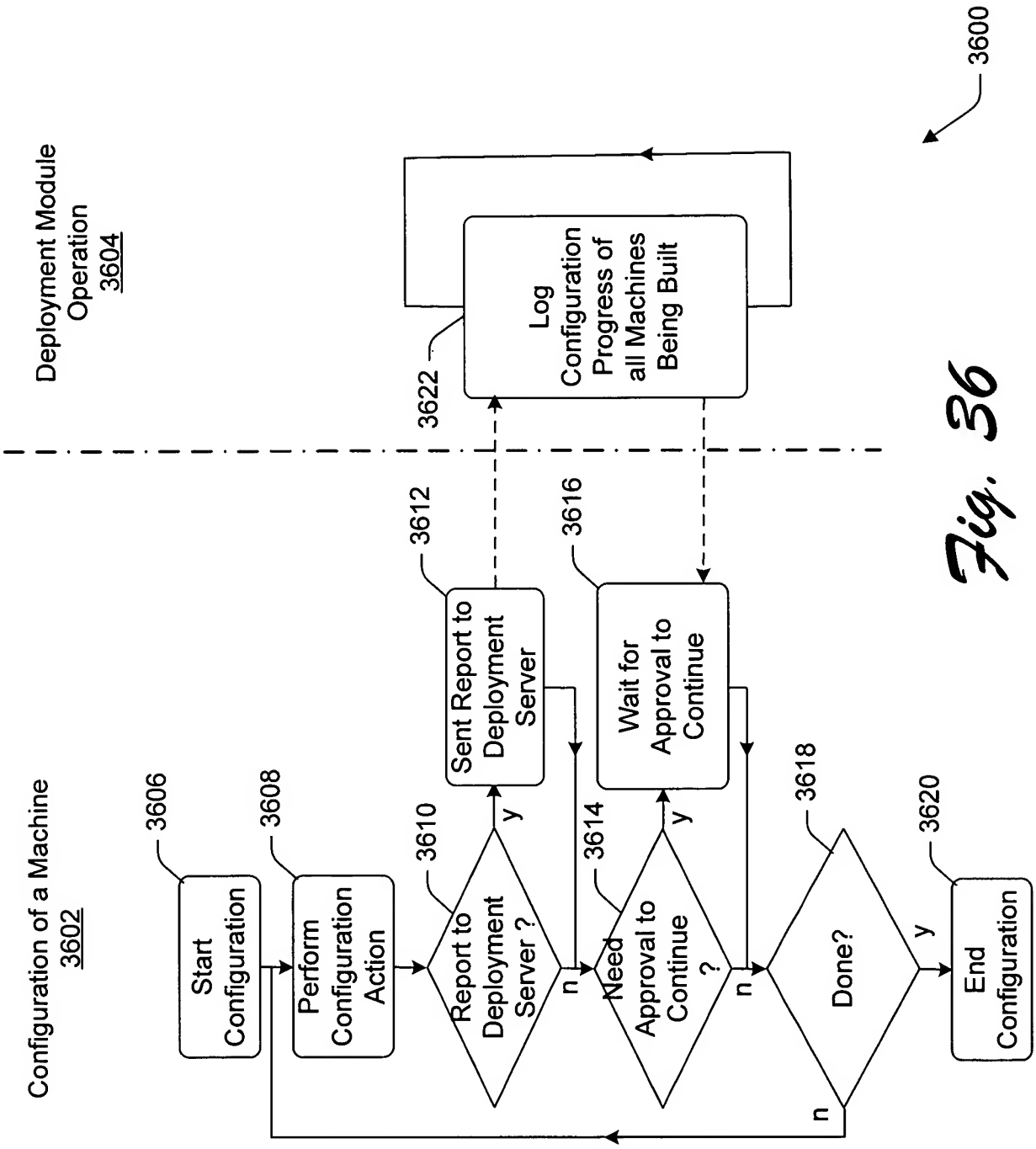
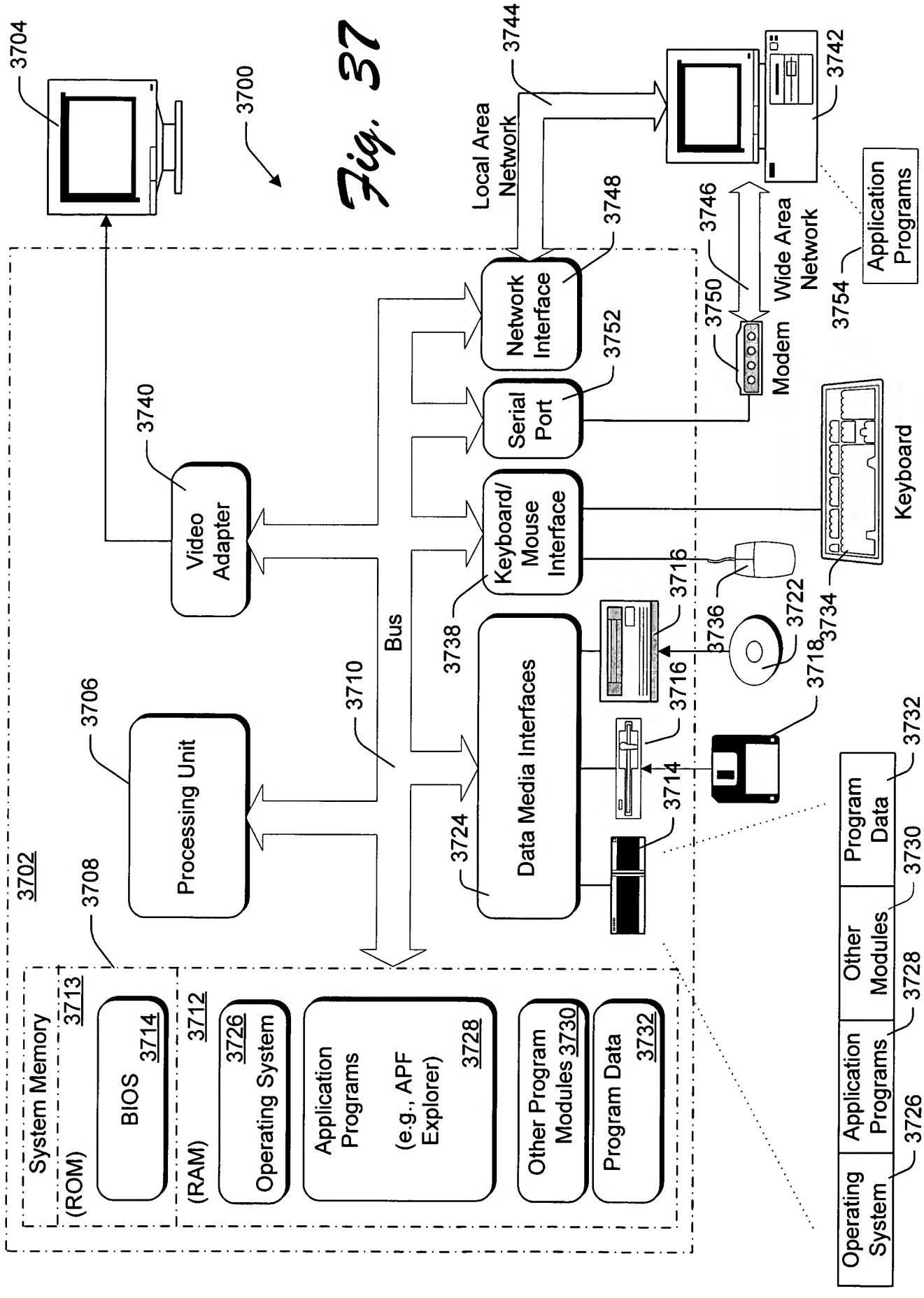

3600
Deployment Module Operation 3604
Configuration of a Machine 3602
Start Configuration
3606
Perform Configuration Action
3608
Report to Deployment Server ?
3610
y
n
Sent Report to Deployment Server
3612
Need Approval to Continue ?
3614
y
n
Wait for Approval to Continue
3616
Done?
3618
y
n
End Configuration
3620
Log Configuration Progress of all Machines Being Built
3622

Fig. 36


3704
3700
3744
Local Area Network
3742
3748
3746
3750
Wide Area Network
Modem
3754
Application Programs
Network Interface
3752
Serial Port
3740
Video Adapter
Keyboard/ Mouse Interface
Keyboard
3716
3722
3736
3734
3738
Bus
3710
3706
Processing Unit
3718
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3724
Data Media Interfaces
3732
Program Data
3730
Other Modules
3728
Application Programs
3726
Operating System
3702
3708
System Memory
3713
(ROM)
BIOS 3714
3712
(RAM)
3726
Operating System
Application Programs
(e.g., APF Explorer)
3728
Other Program Modules 3730
Program Data
3732

Fig. 37